Maritime Heritage Minnesota

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Log Book 46 of the USS Essex

November 1, 1900 - May 13, 1901

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



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USS *Essex* Log Book 46

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The editing of this log book and the creation of the finding aid was made possible by a generous donation from MHM friend and supporter Dr. Natalie Rosen.

Log Book 46 of the USS *Essex*: November 1, 1900-May 13, 1901

The National Archives houses USS *Essex* Log Book 46. Throughout Log Book 46, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions; sometimes specific boiler are mentioned by their letter designation
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- discharging ashes onto a lighter
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- testing of all electrical apparatus
- crew conducting ship maintenance: engine maintenance/repair, boiler maintenance/repair, coal bunker maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, caulking the decks, iron work maintenance/repair, rigging repair/replacement, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, replacing sails, scraping and slushing spars, scrubbing masts and yards, repairing masts, hawser (mooring lines) maintenance/repair/replacement, condenser bed timber repair/replacement, engine bed timber repair/replacement, steam cutter maintenance/repair, steam/sail launch maintenance/repair, gig maintenance/repair, dinghy maintenance/repair, whale boat maintenance/repair, turned and cleaned hammocks and bedding, painting hammock netting panels, scraping and blacking boat davits, repaired ground tackle, repaired sounding apparatus, scraping out smokepipe, inspected cotton primers, repairing binnacles, repairing waste pipes of magazine and shell room, repairing rail, repaired skylights, repaired awning stanchions, awning repair/replacement, repairing air ports, repairing gun ports, repairing water closets, gun carriage/battery maintenance/repair

- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, on shore target practice, general quarters drills, small arms drills, fire drills, single stick drills, revolver drills, torpedo drills, passing powder drills, fuze drills, abandon ship drills, man overboard drills, Gatling gun drills, howitzer drills, skirmishing, battalion drills, machine gun drills, pistol drills, rifle drills, bayonet drills, target practice with targeting hanging from a yardarm, Morse signal drills, landing party drills, navigation drills, man overboard drills, signaling with the flagship, Army and Navy signaling drills, watch signal drills, international signal drills, basic medical training (tourniquets, resuscitation), Marine Guard drill
- Marine Guard drills in the cutter
- cadet/apprentice drills: signaling drills, wig-wag signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 46, on November 1, 1900, the USS *Essex* was at sea after leaving Funchal, Madeira, sighting USS *Lancaster* on her port quarter. She hoisted her colors for identification when spotted by a Danish barkentine and a Norwegian barque. Heading west, the ship's crew and apprentices held practice drills with weapons, rigging, and sails, along with Abandon Ship, Arm and Away All Boats for Distant Service, and fire drills. In the early morning of November 6, a meteor traveled

across the sky to the left of Polaris that lit up the horizon with an 'almost sunlight brilliancy'. On November 17, an incident was described in the log that dealt with crewman Kelly kicking an apprentice in the stomach.[1] On November 30, Essex sighted Puerto Rico and stood into San Juan Harbor, exchanging signals with USS *Mayflower*.

During the beginning of December, visits were exchanged with the USS *Mayflower*, HMS *Psyche*, and the Naval Station while the crew cleaned the main battery rollers and roller paths and a party was sent ashore for target practice. On December 7, Navy Tug USS *Uncas* came alongside the ship and unloaded water. *Essex* took on General Court Martial prisoners from *Uncas* for transportation to the United States. The log book also mentions the movements of Red D steamer *Philadelphia*. On December 8, *Essex* left San Juan and entered Hampton Roads Channel on December 16, sighting USS *Kearsarge*, USS *Massachusetts*, and USS *Annapolis*. A night signal was received from *Kearsarge*, 'Be ready for inspection by Asst. to Bureau forenoon tomorrow and have boat at wharf on arrival of Washington boat in the morning'. Inspections commenced the following day by the Assistant to the Chief of the Bureau of Navigation, and Rear Admiral Norman H. Farquhar raised his flag on *Kearsarge*. Between December 21-25, apprentices were discharged - some due to ineptitude - new apprentices were received from *Franklin*, other crew members were discharged, and some crew were transferred to the Naval Hospital and the *Franklin*. US Navy Tug *Mohawk* provisioned the ship and *Essex* up anchored and moved to the Norfolk Navy Yard. For the remainder of December, Yard workmen conducted maintenance and repairs to the ship - including the rigging, sails, and masts. The movements of Tug US*S Wompatuck*, Patrol Yacht USS *Frolic*, and Tug USS *Piscataqua* were recorded in the log.

In early January, 1901, *Essex* remained at the Norfolk Navy Yard, accommodating workmen, provisioning, and the log noted shifts in personnel from the USS *Franklin*. Also noted in the log book were the movements of Steam Sloop USS *Richmond*, Torpedo Boat USS *Ericsson*, Monitor USS *Terror*, Torpedo Boat USS *Holland*, Tug USS *Standish*, and USS *Amphitrite*. On January 12, Tug US Navy Tug *Mohawk* assisted *Essex* out of the Navy Yard, past Fort Monroe, and out of Chesapeake Bay. Two days later, *Essex* stood into New York Harbor, exchanged signals with the passing USS *Alabama*, anchored to exchange men with USRS *Vermont*, and headed out past the Sandy Hook and Fire Island Lightships. On January 15, the ship entered Newport Harbor, exchanged numbers with USRS *Constellation* and passed USS *Morris*; for the next 7 days *Essex* transferred and received crew and apprentices and conducted drills. The ship got underway on January 23, passed Fisher's Island, headed up the Thames River and coaling the ship the next day and on January 25. The ship also received men from USS *Richmond* and USRS *Vermont*. Two days later *Essex* headed into the Atlantic Ocean and experienced heavy swells up to 30 degrees until the end of January.

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[1]This incident was discussed in by Lt. Edward L. Beach of theUSS *Essex*, who went on to become Captain Beach, Sr. During his career he commanded USS *Vestal*, USS *Washington*, USS *Memphis*, USS *New York*, the Naval Torpedo Station, and the Mare Island Naval Shipyard. Captain Beach is known for the *Memphis* tsunami incident and wrote several novels as well. His son, Captain Edward L. Beach, Jr., commanded nuclear submarine USS *Triton* during the first submerged circumnavigation of the Earth, and was a decorated officer and author. Beach, Jr. published his father's autobiography several decades after this death with his annotations; his father's service on the USS *Essex* is covered in the book, *From Annapolis to Scapa Flow*.

Throughout February, USS *Essex* experienced swells, often heavy, throughout a trip heading toward the Caribbean. The crew and apprentices conducted training drills and ship maintenance. On February 22, *Essex* hoisted her colors and fired a salute in honor of George Washington's birthday.

On March 1 the ship anchored at Point a Pitre on Guadeloupe in the Lesser Antilles. For the first half of the month, *Essex* stayed anchored at Point a Pitre and had many AWOL sailors. The log detailed the activities surrounding several vessels including US schooner *Mitchell*, New York yacht *Conqueror*, French bark *Deserade*, Portuguese bark *Emilia*, Italian merchantmen *Miso* and *Metilde*, French steamer *Labrador*, US Schooner *Edward Stewart* of Bangor, and steamer *France*. *Essex* left the harbor on March 18, noting the lights of St. Pierre, Martinique, Dominica, Montserrat, and St. Kitts.

On April 1, USS *Essex* anchored at Charlotte Amalie, St. Thomas, Virgin Islands; the Dominican warship *Presidente* was at anchor as well. The log details the movements of several ships including British steamer *Hatfield* of London, German steamer *Desterro* of Hamburg, English collier *Grayfield*, British steamer *Eden*, Tug USS *Potomac*, Danish steamer *Louisiana*, US schooner *Mary Teale*, and French steamer *Fassenet*. Essex left St. Thomas on April 6 and the next day, Chief Boson's Mate P. Shanahan received the Medal of Honor.[2] Steaming toward Puerto Rico, *Essex* sighted English steamer *Lyda* of Hull on April 9 and 4 days later, a water spout was noted. On April 15, Essex anchored at San Juan; Steam Yacht USS *Scorpion* and school ship *Saratoga* were in the harbor. For the next 2 weeks, the *Essex* crew and apprentices conducted exercises and the ship offered rewards for 12 AWOLs. On April 18, the ship half-masted her colors and fired a salute out of respect for the late former president Benjamin Harrison. Several ships were documented in the log including Navy Tug *Uncas*, US Navy Collier *Hannibal*, US Tug *Potomac*, Porto Rico Steamship Company ship *Porto Rico*, French steamer *Ville de Marseilles*, US steamers *Ponce* and *Julia*, Spanish steamers *Islande Pavay* and *Maria* of Balboa, US schooners *Emma Knowtton* and *Ettya Y. Simpson*, American steamer *Catalina*, Red D steamer *Philadelphia*, US Army Transport *Sedgwick*, and Spanish steamer *Catalina*. On April 28, *Essex* left San Juan, exchanging colors with a steamer carrying Cubans under US colors, and remained under sail until the end of the month.

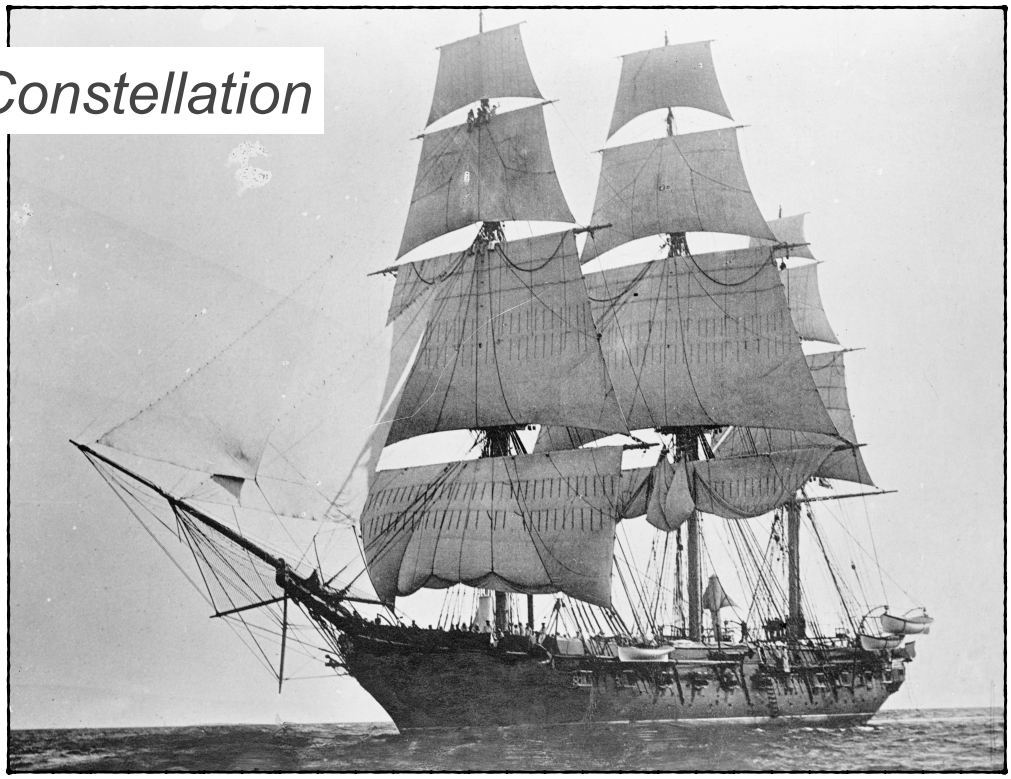
For the first half of May, USS Essex traveled toward Cuba. On May 2, the ship passed small clumps of seaweed. On May 5, Cuba was sighted, a black bark traveled a parallel course, and colors were exchanged with British steamer *Burnstable*; Norwegian steamer *Dapoy* passed close to *Essex's* stern. Four days later, Norwegian steamer *Orange* passed the ship, and on May 13, *Essex* moored in Havanna Harbor.

[2]Patrick Shanahan received the Medal of Honor for his service on board USS *Alliance*. On May 28, 1899 Shanahan rescued Quartermaster William Steven from drowning.

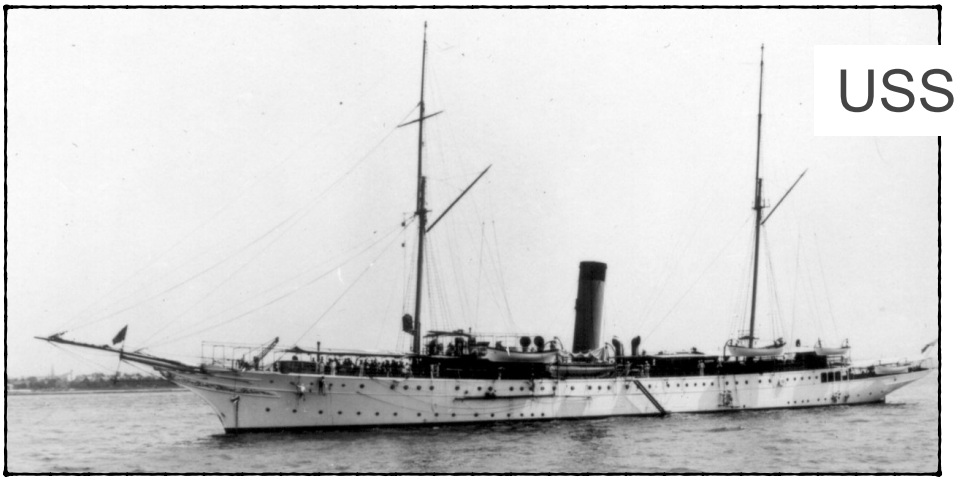
Tags:
sloop-of-war USS *Essex*, USS *Lancaster*, Puerto Rico, San Juan, USS *Mayflower*, HMS *Psyche*, Red D steamer *Philadelphia*, Navy Tug USS *Uncas*, USS *Kearsarge*, USS *Massachusetts*, USS *Annapolis*, USRS *Franklin*, US Navy Tug *Mohawk*, Norfolk Navy Yard, Hampton Roads Virginia, Tug US*S Wompatuck*, Patrol Yacht USS *Frolic*, Tug USS *Piscataqua*, Steam Sloop USS *Richmond*, Torpedo Boat USS *Ericsson*, Monitor USS *Terror*, Torpedo Boat USS *Holland*, Tug USS *Standish*, USS *Amphitrite*, USS *Alabama*, USRS *Vermont*, USRS *Constellation*, Torpedo Boat USS *Morris*, Thames River, New London, Connecticut, US Schooner *Mitchell*, New York Yacht *Conqueror*, French bark *Deserade*, Portuguese bark *Emilia*, Italian merchantman *Miso*, Italian merchantman *Metilde*, French steamer *Labrador*, US Schooner *Edward Stewart* of Bangor, steamer *France*, Point a Pitre, Guadeloupe, Lesser Antilles, St. Pierre, Martinique, Dominica, Montserrat, St. Kitts, Dominican warship *Presidente*, British steamer *Hatfield* of London, German steamer *Desterro* of Hamburg, English collier *Grayfield*, British steamer *Eden*, Tug USS *Potomac*, Danish steamer *Louisiana*, US schooner *Mary Teale*, French steamer *Fassenet*, USS *Alliance,* Medal of Honor, Puerto Rico, English steamer *Lyda* of Hull, water spout, school ship *Saratoga*, Steam Yacht USS *Scorpion* and school ship *Saratoga*, US Navy Collier *Hannibal*, Porto Rico Steamship Company ship *Porto Rico*, French steamer *Ville de Marseilles*, US steamer *Ponce*, US steamer *Julia*, Spanish steamer *Islande Pavay*, Spanish steamer *Maria* of Balboa, US schooner *Emma Knowtton*, American steamer *Catalina*, US schooner *Ettya Y. Simpson*, US Army Transport *Sedgwick*, Spanish steamer *Catalina*, British steamer *Burnstable*, Norwegian steamer *Dapoy*, Havanna Harbor, Norwegian steamer *Orange*, apprentice training, ship drills, ship maintenance, steam, sail, Donald McKay



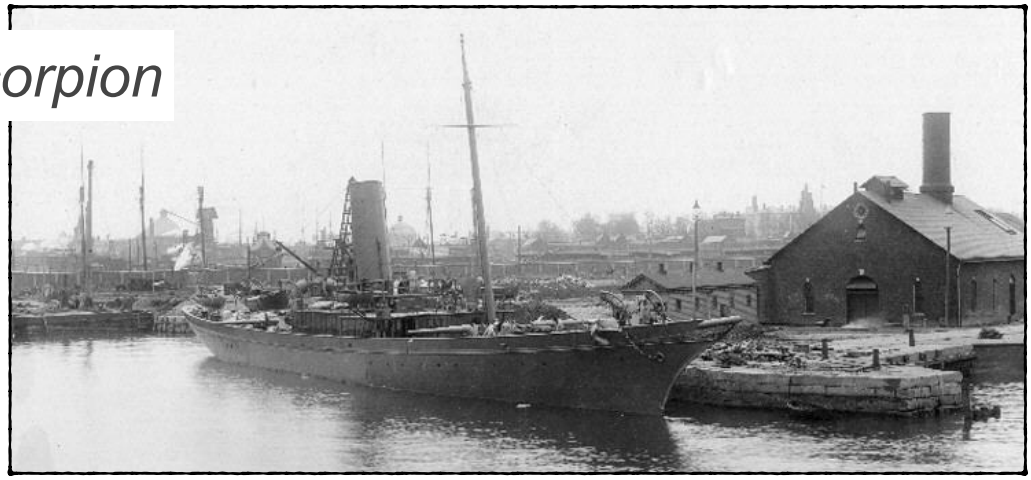
USRS *Constellation*



USS *Mayflower*



USS *Scorpion*



FORM NO. 20.

LOG BOOK

OF THE

U. S. S Essex

Third Rate,

of Twelve Guns,

COMMANDED BY

Commander Richard G. Davenport, U. S. Navy,

Attached to Training Squadron,

Commencing November 1st, 1900,

at Sea,

and ending May 18, 1901,

at Havana Cuba

BUREAU OF EQUIPMENT
NAVY DEPARTMENT.
1899.

LIST OF OFFICERS

Attached to and on board of the U. S. S Essex, 3rd Rate, commanded by Commander R. S. Davenport, U. S. N., during the period covered by this Log Book, from November 1st, 1900, to May 1, 1901.

NAME.	RANK.	NAME.	RANK.
Richard S. Davenport	Commander, U.S.N. Date April 19, 1900		
Edward E. Wright	Lieutenant, U.S.N. Date Aug 20, 1898		
Edwards T. Leahy	Lieutenant, U.S.N. Dec 21, 1898		
E. L. Beach	Lieutenant, U.S.N. June 7, 1900		
A. T. Baker	Lieutenant, U.S.N. April 27, 1900		
Frank P. Baldwin	Lieutenant, U.S.N. June 26, 1899		
Ralph Earle	Ensign, U.S.N. Oct. 31, 1898		
R. W. Anderson	Ensign, U.S.N. May 29, 1900		
Thos. A. Till	Chaplain, U.S.N. June 29, 1899		
H. E. Ammen	P. A. Paymaster, U.S.N. Oct. 9, 1899		
Geo. F. Freeman	Asst. Surgeon, U.S.N. May 12, 1900		
Wm. S. Creighton	Pay Clerk, U.S.N. April 25, 1900		
R. G. Little	Pay Clerk U.S.N. January 7, 1901.		
John Irwin Jr.	P.A. Paymaster, Jan. 10, 1901		
J. Horton	Pay Clerk, Jan 10, 1901		
F. H. Brown	Lieutenant, Jan 17, 1901		
G. N. Hayward	Lieutenant Jan. 14. 1901.		

Examined and found to be correct.

E. T. Leahy Navigator.
Lt USN

4—266

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S "Essex" 3d Rate.

commanded by Commander R. G. Davenport., U. S. N., during the period covered by this

Log Book, from November 1st, 1900, to May 13, 1901.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
F. P. Baldwin.	Lieutenant	Detached and ordered to Naval Academy, Annapolis, Md.
R. W. Henderson.	Ensign.	Dec 28, 1900, Detached and granted one months sick leave
W. S. Creighton.	Pay Clerk.	Dec 27th Appointment revoked and detached from this ship.
U. G. Ammen	P.A. Paymaster.	Jan. 10, 1901, Detached, ordered home to settle accounts.
R. B. Little	Pay Clerk	Jan 10, 1901, Detached ordered to accompany Pa. Paymaster Ammen

Examined and found to be correct.

F. F. Leeper, Lt. U.S.N.

Navigator.

4–565

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S. Essex 3rd Rate at first commissioning September 28 1898 190 .

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.	NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Chief Boatswain's Mate,	1	1	Cabin Steward,	1
11	Boatswain's Mate,	5	1	Cabin Cook,	1
0	Seamen Gunners,	0	1	Ward-room Steward,	1
1	Chief Gunner's Mate,	1	1	Ward-room Cook,	1
4	Gunner's Mates,	4		Steerage Stewards,	
1	Chief Quartermaster,	0		Steerage Cooks,	
3	Quartermasters,	4		Warrant Officer's Steward,	
8	Coxswains,	12		Warrant Officer's Cook,	
0	Captains of Forecastle,	0	7	Seamen,	10
0	Captains of Tops,	0		Ordinary Seamen,	
0	Captains of Afterguard,	0	14	Landsmen,	15
0	Quarter-Gunners,	0		Boys,	
2	Carpenter's Mates,	2		Apprentices, Appr. 3 Cl.	174
1	Sailmaker's Mates,	0	4	Machinists,	4
0	Armorer,	0	1	Boiler Makers,	1
1	Captains of Hold,	1	1	Water Tenders,	0
1	Ship's Cook,	1	2	Oilers,	4
1	Ship's Corporals,	1	4	First-class Firemen,	3
1	Lamp-lighter,	1		Second-class Firemen,	1
0	Carpenters and Calkers,	0	4	Coal Heavers,	3
2	Baymen, 1 Appr 1 C 1 Hosp Appr.	1		TOTAL,	
1	Master-at-Arms, Chief	1			
1	Apothecary,	1			
1	Ship's Yeoman,	1			
1	Paymaster's Yeoman,	1			
0	Engineer's Yeoman,	0			
0	Schoolmaster,	0			
1	Ship's Writer,	1		ADDITIONAL FOR FLAGSHIP.	
0	Ship's Tailor,	0		Master of the Band,	
0	Ship's Barber,	0		Chief Musician,	
1	Painter,	1		First-class Musicians,	
1	Bugler, Appr 1 Cl.	1		Second-class Musicians,	
1	Jack of the Dust,	1		Printer,	
1	Blacksmith,	1		Steward to Commander-in-chief,	
1	Yeoman 3rd Class	1		Cook to do.	
				Coxswain to do.	
				Seamen to do.	
				Ordinary Seamen to do.	
				Landsmen to do.	

Examined and found to be correct.

F. F. Leiper, Lt. Comdr
Navigator.

4-255

U. S. S Essex,

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	Huddleston. Boston, Mass.	None	Gun deck on Mizzen mast.	May 2, 1900 Jan. 10, 1901	Hydro Office, Norfolk, Va. Hydro. Offis. Norfolk	.05" too high. and .04 too high
ANEROID BAROMETER.	Fortin's Barometer Bodine Board Tachometer Thermometer C. H. Mc Allister Baltimore Md.	1000	Dr cabin.			
THERMOMETER, (Dry Bulb.)	Mason's Hygrometer.	None	Quarter deck on Mizzen mast.			
THERMOMETER, (Wet Bulb.) (Psychrometer.)	Mason's Hygrometer.	None	Quarter deck on mizzen mast.			

Examined and found to be correct.

E. F. Leahy,
Lieutenant, U. S. N. Navigator.

4-265

ARMAMENT

Of the U. S. S Essex, 3rd Rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE. POWDER.	CARTRIDGE. WEIGHT.	PROJECTILES. KIND.	PROJECTILES. WEIGHT.	CARRIAGES.	REMARKS.
4	4"	II	R. G.	Fixed ammunition	5 3/4 lb.			Fletcher Pedestal Mount Mark II	
2	4"	III	R. G.	"		"	6-8 "	" "	

SECONDARY.

4	6 Pdr.	I		Fixed ammunition		9 3/4 lb.	Cage Stands	
2	1 "	II		"		1.65 "	" "	
2	6 m/m.	Colt's Automatic					Trainor + Field Carriage.	

BOAT ARMAMENT.

Two Cage Stands with Adapter Ring for Colts Automatic and 1 Pdr. Hotchkiss.

SMALL ARMS.

190 Lee Straight Pull Rifles Cal. 6 m/m.
65 Colts D.A. Revolvers Cal. 38.

Examined and found to be correct.

E. F. Luper, Lt. U.S.N.
Navigator.

4-205

TABLES of Deviation of the Standard Compass No. 24017 on board the U. S. S Essex, 3rd Rate

DATE:	January 3rd 1899	July 13th 1899	November 23rd 1899	July 7th 1900.	March 18 1901
PLACE OF OBSERVATION:	Off Lapa Harbor	Off Funchal, P. I.	Off Genoa Italy.	Off Cork Ireland	At Sea
LATITUDE:	33° 53' 00" N.	32° 22' 00" N.	44° 22' 00" N.	51° 25' 00" N.	0° 31' 0" N
LONGITUDE:	75° 55' 00" W.	17° 53' 30" W.	8° 53' 30" W.	7° 45' 00" W.	69° 33' 30" W
OBSERVED VARIATION:	4° W'ly	12° 17' W'ly.	12° 17' W'ly.	26° 38' W'ly.	1° 0' W'ly

SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	2° 35' E'ly	2° 55' E'ly.	2° 54' E'ly.	2° 47' E'ly.	0° 24' E'ly	
N. by E.	3° 36' "	4° 35' "	4° 37' "		1° 11' "	
N. N. E.	5° 20' "	6° 12' "	5° 37' "	7° 33' "	2° 14' "	
N. E. by N.	6° 26' "	7° 43' "	6° 22' "		3° 45' "	
N. E.	6° 38' "	8° 48' "	6° 57' "	9° 25' "	3° 09' "	
N. E. by E.	6° 50' "	8° 28' "	6° 57' "		2° 13' "	
E. N. E.	7° 36' "	8° 46' "	6° 46' "	9° 26' "	2° 50' "	
E. by N.	7° 48' "	7° 56' "	6° 05' "		2° 09' "	
EAST.	7° 06' "	7° 46' "	5° 08' "	7° 43' "	1° 45' "	
E. by S.	5° 45' "	7° 05' "	4° 07' "		1° 0' "	
E. S. E.	5° 19' "	4° 45' "	2° 58' "	4° 59' "	0° 24' "	
S. E. by E.	3° 26' "	3° 25' "	1° 52' "		0° 41' Wly	
S. E.	2° 13' "	2° 27' "	1° 35' "	1° 21' "	1° 26' "	
S. E. by S.	0° 35' "	1° 33' "	0° 23' "		2° 0' "	
S. S. E.	0° 51' Wly.	0° 39' Wly.	1° 21' Wly.	1° 46' Wly.	2° 27' "	
S. by E.	1° 39' "	1° 57' "	2° 13' "		2° 47" "	
SOUTH.	3° 14' "	3° 27' "	2° 55' "	3° 22' "	3° 01' "	
S. by W.	3° 56' "	4° 10' "	3° 05' "		3° 16" "	
S. S. W.	4° 36' "	5° 37' "	3° 45' "	5° 34' "	3° 44' "	
S. W. by S.	5° 15' "	6° 31' "	4° 13' "		3° 20" "	
S. W.	6° 00' "	7° 23' "	4° 41' "	6° 42' "	3° 39" "	
S. W. by W.	6° 38' "	7° 47' "	4° 38' "		3° 29" "	
W. S. W.	6° 43' "	8° 05' "	4° 30' "	7° 28' "	3° 45" "	
W. by S.	7° 13' "	7° 52' "	4° 38' "		4° 10" "	
WEST.	7° 01' "	8° 00' "	4° 55' "	7° 01' "	4° 15" "	
W. by N.	6° 42' "	7° 45' "	4° 39' "		4° 19" "	
W. N. W.	6° 25' "	7° 42' "	4° 21' "	5° 56' "	4° 11" "	
N. W. by W.	5° 48' "	6° 27' "	3° 18' "		3° 31" "	
N. W.	5° 00' "	4° 47' "	3° 01' "	4° 30' "	3° 36" "	
N. W. by N.	3° 42' "	3° 03' "	2° 10' "		2° 26" "	
N. N. W.	0° 28' "	0° 58' "	0° 23' "	1° 6' "	1° 53" "	
N. by W.	1° 50' E'ly.	0° 46' E'ly.	1° 27' E'ly.		0° 49" "	

Examined and found to be correct.

J. F. Luper.
Lieutenant. U. S. N. Navigator.

4-305

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	5	9	78.5	S.5-8° W.	South.	1			30.40	71	69	67	72	b.c.m.	Ci.		2	R
2	6	0	79.5	"	S.E.	1			30.38	72	69	67	72	b.m.	Cu.m.		0	"
3	5	6	85.1	"	"	1			30.37	73	69	67	72	b.	"		0	"
4	5	6	90.7	"	"	2			30.39	73	68	68	71	b.m.	"		0	"
5	6	0	96.7	"	"	2			30.39	73	68	68	71	b.c.m.	Ci.Cu.		2	"
6	6	0	2.7	"	"	2			30.39	73	68	68	71	"	"		2	"
7	5	9	8.6	"	"	2			30.40	73	69	67	71	"	"		2	"
8	6	1	14.7	"	"	2			30.40	73	72	68	71	b.c.	"		3	"
9	6	7	21.4	"	E.S.E.	2			30.41	73	73	70	72	"	Cu.		1	"
10	1	3	23.7	N.N.W.	"	2			30.44	73	75	70	72	"	"		1	"
11	4	5	27.0	S.5-8° W.	"	2-3			30.45	74	77	71	72	"	"		1	"
Noon.	5	9	37.0	"	"	3			30.44	74	77	71	72	"	"		2	"

Position at 8 A. M.	Latitude by D.R.	31 °04'00" N.
	Longitude by Obs.	18 °08'00" W.
Position at noon:	Latitude by observation	30 °57'44" N.
	Longitude by observation	18 °22'18" W.
	Latitude by D. R.	30 °50'48" N.
	Longitude by D. R.	18 °24'04" W.
Course made good since preceding noon:		S. 86° W.
Distance made good since preceding noon:		124 miles.
Distance by Log since preceding noon:		135.5 miles.
Current per hour: 0.3 miles, set N. 12° E. true.		
Position at 8 P. M.	Latitude by D.R.	30 °25'38" N.
	Longitude by Obs.	18 °51'45" W.
Variation of compass:		18° 55' W'ly
Error of compass observed at 4:29		21° 55' "
Deviation of compass on S.5-8° W.		3° 00' "
Water expended during the preceding 24 hours,		500 gallons.
Water during the preceding 24 hours,		- "
Water remaining on hand fit for use at noon,		1700 "
Coal consumed during the preceding 24 hours,		7 tons, 1820 lbs.
Coal remaining on hand at noon,		186 " 660 "

Mag. Temp. For. Obs. 74-72 68-67

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	5	8	42.8	S.5-8° W.	E.S.E.	2			30.39	73	78	73	72	b.c.	Cu.		3	S.
2	6	3	49.1	"	"	3			30.43	74	76	72	72	"	Ci-Cu		3	"
3	6	2	55.3	"	"	3			30.38	74	76	72	72	"	"		4	"
4	6	3	61.6	"	"	3			30.39	74	76	72	72	"	"		4	"
5	5	6	67.2	"	"	2-3			30.38	73	72	70	72	"	"		3	"
6	3	1	70.3	"	"	2-3			30.35	74	72	70	72	"	"		4	"
7	2	7	73.0	"	"	2-3			30.35	75	72	70	72	"	"		3	"
8	2	7	75.7	"	"	2-3			30.40	74	72	71	72	"	"		3	"
9	3	0	78.7	"	E.N.E.	3			30.40	74	72	71	71	"	Cu-Ci		4	"
10	3	3	82.0	"	"	3			30.39	74	72	71	71	Lead.	S-Cu		4	"
11	3	1	85.1	"	East	3			30.39	73	72	71	70	b.c.	"		4	"
Mid.	2	9	88.0	"	"	3			30.37	73	72	71	70	"	"		4	"

Big ship?

under the command of Commander Richard E. Davenport, U. S. Navy,

Thursday, November 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright S.by E. & S.E. by E. gale and breeze. Barometer falling more set at 12:27. Ship rolling 6 per min., 22° stbd and 18° port. On course S. 58° W. (S.S.E.) steaming, log 90.7 at end of watch. Av. at 43 Revs. 35.4

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Bright breeze from S.E. Barometer rising slowly. On course S. 58° W. (S.S.E.) Steaming under two boilers. Av. at 43. Av. revs. 34. At daylight mustered apprentices over masthead. Ship rolling to Wky swell, 6 per min., 18° port and 18° stbd. S.E. at end of watch. 147.

G. W. Steadman
Ensign, U.S.N.

8 A.M. to Meridian

Warm and pleasant. Bright to gentle breeze from E.S.E. Steaming with boilers B & D. Steering S.S.E. S. 58° W. Set fore and aft sail at 10:30, and foresail. At 9:30 called "clear ship for action." Later beat to General Quarters, then secured and called "ing ship", all times as follows:- Clear ship - 16 minutes; General Quarters:- Fore 11½ min., Hd 1¾, 3rd 2½, 2nd 1¾, Aft 3¾, 5th 5¼, Rev. 6; Secured from General Quarters in 2 minutes; Rigged ship in 13 minutes. At 10:45 commenced Small Arm Drill and drilled as per routine. Punishments were awarded by Comdg. Officer as follows:- J. B. Shepherd, Ord., Disobedience of Orders, continued on the 4th Class 1 month; R. E. Kimpfel, A.S.C., Smoking & Fire while on duty; C. Armstead, M. At., Assaulting his superior officer while in the execution of his duties, placed in solitary confinement on bread and water for 5 days. Released A. J. Smith, App. 3.Cl. from confinement. Av. at 46. Av. revs. 34.3 Max. roll 15° 6 times a min.

E. H. Beach, Lieutenant, U.S.N.

Meridian to 4 P.M.

Clear and fine. Bright to gentle breeze from E.S.E. At 1:10 took in all sail. Steaming on course S. 58° W. Boilers B & D in use. At 1:30 had routine drills. The 5th Div. had special instruction in Ordnance from 2:15 to 2:50. The 2nd Div. had galley practice from 3:00 to 3:45. A.S.C.M. convened by Comdg. Officer for the trial of J. Barron, A.S.C., for refusing to obey orders of a C.P.O. met at 1:30. At 4:15 the S.C.M. adjourned to await action of Comdg. Officer. Barometer fluctuating. Ship rolling easily to beam swell. Max. roll 17° to stbd, 15° to port. Av. at 47. Av. revs. 37.7. Rolling 6 times a minute.

W. O. Stevens
Lieutenant, U.S.N.

4 to 6 P.M.

Clear and pleasant. Bright to gentle E.S.E. by E. breeze. Barometer falling. Ship rolling 6 times per min., 18° each side. At 4:30 went to quarters. At 4:35 made all sail save mainsail. At 4:50 stopped engine, unmuffled propeller, and let fires under boilers "B" die out. Began distilling with "C" boiler at 5:00. Two steamers passed at 5:30, one bound W. other N.E. Under all sail save mainsail on course S. 58° W. (S.S.E.) log 70.3 at end of watch.

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Bright to gentle breeze from E.S.E. Barometer steady. Ship rolling 6 per min., 15° each side. At 7:30 coupled propeller. On course S. 58° W. (S.S.E.) and under all sail save mainsail. At 7:50 hauled down mainsail and staysail. Steamer light in sight on stbd bow. Distilling. 5th Div. exercised at night signals.

G. W. Steadman
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Bright moonlight. Gentle breeze from E.S.E. Steering S. 58° W. (S.S.E.). Ship under all sail to royals. At 10:00 took in spanker. Max. roll 12°, 6 times per min.

E. H. Beach, Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Lau[illegible],
Lieutenant, U.S.N. Navigator.

4—555

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eastern is	State of the Sea.
A. M.																		
By Chgl 1	7	6		S.58°W.	E.S.E.	7-3			30.35	74	71	71	70	bc.	cu.n.		4	S.
" 2	7	4		"	"	7-3			30.34	74	71	71	70	"	"		3	"
" 3	7	3		"	"	7-3			30.34	74	71	71	70	"	"		4	"
" 4	7	3	97.6	"	"	7-3			30.34	74	71	70	70	"	"		3	"
" 5	7	7		"	"	7-3			30.34	74	71	70	70	"	"		3	"
" 6	7	9		"	"	7-3			30.33	74	71	70	70	"	"		4	"
" 7	7	1		"	"	7-3			30.33	74	74	70	74	"	a.cu		4	"
" 8	7	6	115	"	"	7-3			30.33	74	74	70	74	"	"		5	"
9	7	9	7.4	"	"	7-3			30.33	73	74	71	74	"	"		6	"
10	7	3	9.7	"	"	7-3			30.34	73	74	71	74	"	"		4	"
11	3	0	10.7	"	"	7-3			30.34	73	78	73	74	"	"		4	"
Noon.	3	0	13.7	"	"	3			30.34	73	77	74	74	"	"		4	"

Position at 8 A. M.: Latitude by LAR, 30°00'00" N. Mag Temp
Longitude by Obs. 19°22'03" W. Fwd Aft.

Position at noon: Latitude by observation 29°43'00" N. 74-74 69-67
Longitude by observation 19°29'39" W
Latitude by D. R. 29°51'20" N.
Longitude by D. R. 19°16'24" W.

Course made good since preceding noon: S.38°W.

Distance made good since preceding noon: 94.5 miles.

Distance by Log since preceding noon: 81.4 miles.

Current per hour: 0.6 miles, set S.54°W. true.

Position at 8 P. M.: Latitude by LAR. 29°28'54" N.
Longitude by Obs. 19°45'24" W.

Variation of compass: 19°05' Wly

Error of compass observed at 4:26 22°12' "

Deviation of compass on S.58°W. 3°07' "

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 3 tons, 10 & 0 lbs.

Coal remaining on hand at noon, 132 " 1980 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eastern is	State of the Sea.
P. M.			30															
1	7	7	5.7	S.58°W.	East.	3			30.33	74	78	75	74	bcsm	cu.		2	S.
2	7	0	7.7	"	"	3			30.31	74	78	75	74	"	cu.		3	"
By Chgl 3	7	1	9.3	"	"	3			30.29	73	77	75	74	"	"		3	"
" 4	7	0	10.8	"	"	2-3			30.31	73	74	74	74	"	"		4	"
" 5	7	0	12.3	"	N.E.	2			30.31	74	73	71	74	"	"		4	"
" 6	7	7	14.0	"	"	2			30.31	74	74	70	74	"	cu.s		4	"
" 7	7	6	15.9	"	"	2			30.31	75	74	70	74	"	"		4	"
" 8	7	4	18.4	"	"	2			30.31	75	74	70	74	"	cu.		4	"
9	7	3	20.7	"	E.N.E.	3			30.34	75	71	69	74	bc.	cu.s		5	"
10	7	7	23.4	"	"	3			30.33	75	70	69	74	"	cu.		4	"
11	7	3	25.7	"	"	3			30.34	75	71	69	74	"	"		4	"
Mid.	7	5	28.2	"	"	3			30.35	75	70	69	71	"	"		4	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Friday, November 2nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Moonlight till moon set at 1:24. Light to gentle breeze from E.S.E. Barometer nearly steady. On course S.55° W. (P.S.C.) under plain sail to royals except fore and main t'gmast staysails, mainsail, and spanker. Ship making occasional roll of 5° each side. Distilling.

F. R. Belknap Lieutenant, U.S.N.

4 to 8 A.M.

Fine and pleasant. Light to gentle breeze. On course S.55° W. under all plain sail to royals except spanker & flying jib. Ship steady. Mustered and sent over masthead all apprentices of watch. Barometer steady. At daylight sighted ship, fine on port quarter. Distilling.

[illegible] Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light to gentle E.S.E. by breeze. Barometer rose slightly. Ship generally steady, but rolling 10° at times each side. At 9:30 went to quarters and held exercises. At 9:39 went to fire quarters, divisions ready & followed 3rd and 4th, 3½ min.; Fore, 1 min.; Mid, 1½ min.; 1st, 1½ min.; 5th and Main, 2 min. At 9:47 called for main boats and at 9:48 abandon ship. Boats being provided as follows:- 3rd and 1st Cutters, 2 min.; jig, 2½ min.; Steamer 2½ min.; 3rd, 2½ min.; launch, 4½ min.; Dinghy, 4½ min.; 4th Cutter 5¼ min.; whale boat, 6 min. Secured at 10:10¼ in 3¾ minutes. At 10:30 armed and equipped boats for assault service. The Captain assigned following firemen:- R. B. Partridge, Appr. 3 cl., tailing at drill, 6 hrs. extra duty; F. A. Dougherty, Appr. 3 cl., slow in obeying orders of Ch. B.M., 4 hrs. extra duty; J. W. Dunn, Appr. 3 cl., leaving station as lookout without being relieved, 12 hrs. extra duty; E. C. Pickering, Appr. 3 cl., scrubbing clothes while on watch as lookout, 12 hrs. extra duty; A. E. Bettencourt, persistent disobedience of orders, wearing leather straps and jack knife around waist, 4th class for 2 months; D. Sheriff, O.S. 3 cl., carelessly breaking lantern globe, 2nd class. Distilling. At 11:30 set main t'gmast staysail, and took in at 12:30. The Mbk. "Lancaster" in sight under sail on port quarter. Under all sail save spanker and fore t'gmast staysail, on course S.55° W. (P.S.C.) Log 19.7, at end of watch.

Ralph Earle, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle breeze from East. Barometer falling. Under all sail but fore and main t'gmast staysails, and spanker and on course S.55° W. (P.S.C.). Distilling. At 1:30 mustered and drill call and exercised divisions at routine. 5th Division at heaving lead. Overhauled chain. 5th Division exercised at galley practice at 3:00. At 1:30 exchanged numbers with the Mbk. "Lancaster" and at end of watch "Lancaster" bore on port beam. At 12:05 changed port logs, putting over new one reading 3.0.

[illegible] Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Light breeze from N.E. Stowed chain bolts in chain lockers, because of which did not have evening quarters, or sail drill. Ship under square sail to royals, also jib and flying jib. Steering S.55° W. (P.S.C.). "Lancaster" forging ahead on port beam. Mean roll 8°, 6 per min. Distilling.

E. L. Beach Lieutenant, U.S.N.

6 to 8 P.M.

Clear and fine. Moonlight. Light breeze from N.E. On course S.55° W. under jib, flying jib, and square sail to royals. Mbk. "Lancaster" in sight on starb'd bow. Distilling. Exercised 3rd Div. at night signals from 7:10 to 7:30.

F. R. Belknap Lieutenant, U.S.N.

8 P.M. to Midnight.

Fine and pleasant. Gentle breeze from E.N.E. On course S.55° W. under all square sail, jib and flying jib. At 10:20 took in flying jib. Distilling. Barometer rising slowly.

[illegible] Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lieutenant, U.S.N. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	2	6	30.8	S.58°W.	E.N.E.	3			30.27	74	72	70	72	lc	a-cu		4	S.
2	2	9	33.7	"	"	3			30.24	74	72	70	72	"	"		5	"
3	3	1	36.8	"	"	3			30.23	74	72	70	72	"	cu.s		5	"
4	3	1	39.9	"	"	3			30.23	74	72	70	72	"	"		4	"
5	2	7	42.6	"	"	3			30.23	74	72	70	72	"	a-cu		4	"
6	3	3	45.9	"	"	3			30.23	74	72	70	72	"	"		4	"
7	3	0	48.9	"	"	3			30.23	74	72	70	72	"	"		4	"
8	2	7	51.6	"	"	3			30.27	74	73	71	72	"	"		4	"
9	2	3	53.9	"	"	3			30.27	73	70	72	71	"	"		4	"
10	2	6	56.5	N.E.	N.E.	3			30.28	74	70	74	71	"	a-cu		5	"
11	2	9	59.3	"	"	3			30.25	74	70	72	71	"	"		4	"
Noon.	3	0	62.0	"	"	3			30.24	74	82	77	72	"	"		5	"

Position at 8 A. M.: Latitude by D.R. 29°02'00" N. Mag. Temp.
Longitude by Obs. 20°09'15" W. For. Alt.
Position at noon: Latitude by observation 28°55'30" N. 75-73 71-70.
Longitude by observation 20°18'15" W.
Latitude by D. R. 28°50'54" N.
Longitude by D. R. 20°12'00" W.
Course made good since preceding noon: S.42°W.
Distance made good since preceding noon: 64 miles.
Distance by Log since preceding noon: 62.5 miles.
Current per hour: 0.3 miles, set N.50°W. true.
Position at 8 P. M.: Latitude by D.R. 28°38'18" N.
Longitude by Obs. 20°57'24" W.
Variation of compass: 19°10' W'ly
Error of compass observed at 4:55 22°10' "
Deviation of compass on S.58°W. 3°00' "
Water expended during the preceding 24 hours, 550 gallons.
Water distilled during the preceding 24 hours, 800 "
Water remaining on hand fit for use at noon, 2600 "
Coal consumed during the preceding 24 hours, 1 tons, 1260 lbs.
Coal remaining on hand at noon, 131 " 610 "

P. M.																		
1	2	4	64.4	S.58°W	N.E.	3			30.24	74	77	72	72	lc	cu-cu		5	S.
2	2	6	67.0	"	"	3			30.24	74	75	72	72	"	"		5	"
3	2	4	69.4	"	"	3			30.23	74	74	72	72	"	"		5	"
4	2	8	72.2	"	"	3			30.24	74	75	72	72	"	"		5	"
5	2	5	74.7	"	"	3			30.24	73	73	71	73	"	cu		5	"
6	2	7	77.4	"		3			30.22	74	72	70	73	"	"		5	"
7	2	9	80.3	"	N.E. by N.	3-4			30.23	75	73	71	73	"	"		4	"
8	2	9	83.2	"	"	3-4			30.26	75	72	70	73	"	"		4	"
9	2	7	85.9	"	"	3			30.25	75	74	70	73	"	"		4	"
10	2	7	88.6	"	"	3			30.25	75	71	70	73	"	"		4	"
11	2	4	91.0	"	"	2-3			30.25	74	71	70	73	"	"		3	"
Mid.	2	4	93.4	"	"	2-3			30.25	74	71	70	73	"	cu		2	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Saturday, November 3rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Gentle E.N.E. by breeze. Barometer falling. Moonlight until moon set at 2:35. Rolling 6 per min. with max. of 10° at 3rd and 9° at 5. At 2:10 ships tanks being filled distilling and allowed 5 to the out under boiler "C" Under jib, and all square sail save mainsail, on course S.S.E. W. (P.S.C.) Log 89.9 at end of watch.

Ralph Earle,
Ensign, U.S.N.

4 to 8. A.M.

Clear and pleasant. Gentle breeze from E.N.E. Barometer steady. On course S.S.E. W. (P.S.C.) Under all square sail but mainsail and jib. At 5:20 sent apprentices of watch over masthead. Lowered smoke pipe and hoist mainsail. Aired bedding. Ship rolling slightly to quartering swell 6 per minute and 5° on each side. Log at end of 4 to 8 A.M. 6.

C. W. Thompson
Ensign, U.S.N.

8. A.M. to Meridian.

Warm and pleasant. Finished scrubbing and cleaning. Then inspected bedding, dirty boxes, and dirty bags. Under jib and square sail except mainsail. Steering by S.C. S.S.E. W. Ship rolling 5° each side, 5 per min.

E. L. Beach. Lieutenant, U.S.N.

Meridian to 4 P.M.

Clear and fine. Gentle breeze from N.E. Barometer about steady. On course S.S.E. W. under jib and all square sail to royals except weather clew of mainsail. Ship rolling 5° each side, 6 times a minute. At 1:30 called all hands aft and published proceedings and finding of S.C.M. in case of Jos. Bannon, A.B.C., mitigated amount of 10 days solitary confinement in double irons on bread and water, full ration every 3rd day. Bannon was released and made a prisoner at large.

F. P. Gilden Lieutenant, U.S.N.

4 to 6. P.M.

Fine and pleasant. Gentle N.E. breeze. Barometer steady. On course S.S.E. W. under all square sail except weather clew of mainsail and jib. Ship steady. Div. 4. 90 went to quarters for muster. Had exercise at sail drill 1 hour for all hands.

T. L. Gatton
Lieutenant, U.S.N.

6 to 8. P.M.

Fair and pleasant. Gentle to moderate N.E. by N. by breeze. Barometer rising. Moonlight. Ship steady. 4th Division exercised at signalling with hand lanterns. On course S.S.E. W. (P.S.C.) under jib and all square sail save weather clew of mainsail. Log 93.2 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8. P.M.

Clear and pleasant. Gentle breeze from N.E. by N. Barometer steady. Bright moonlight. Ship steady. Under jib, and square sail to royals save weather clew of mainsail. On course S.S.E. W. (P.S.C.).

R. W. Henderson.
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

4—268

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sixths.	State of the Sea.
A. M.																		
1	V	3	95.7	S 58° W.	N. E.	3			30.25	76	71	69	72	b c.	S-Cu		3	S.
2	V	4	98.1	"	"	3			30.25	75	71	69	72	"	"		V	"
3	V	V	100.3	"	"	3			30.24	74	71	69	72	"	"		4	"
4	V	0	1.8	"	"	3			30.22	74	71	69	72	"	A-Cu		6	"
5	V	4	3.6	"	"	3			30.22	74	71	69	72	"	"		5	"
By chg 6	V	6	5.8	"	E. N. E.	3			30.22	74	71	69	73	"	"		5	"
" " 7	3	1	8.9	"	"	3			30.25	74	72	70	73	"	Cu		3	"
" " 8	3	3	11.2	"	"	3			30.28	74	74	71	73	"	"		3	"
9	V	6	14.8	"	Eby N.	2-3			30.34	75	76	72	73	"	Ci-Cu		4	S.
10	V	9	17.7	"	"	3			30.33	75	77	73	73	"	"		4	"
11	V	6	20.3	"	"	3			30.32	75	77	75	72	"	"		5	"
Noon.	V	7	23.0	"	"	3			30.32	75	78	74	72	b-cm	S-Cu		7	"

Position at 8 A. M. { Latitude by DR. 28° 13' 36" N. Mag. Temp.
Longitude by Obs 20° 51' 45" W. For. Aft.

Position at noon: { Latitude by observation 27° 56' 23" N. 75-73 71-70
Longitude by observation 21° 05' 09" W.
Latitude by D. R. 28° 02' 12" N.
Longitude by D. R. 21° 02' 00" W.

Course made good since preceding noon: S. 35° W.

Distance made good since preceding noon: 72 miles.

Distance by Log since preceding noon: 72.5 miles.

Current per hour: 0.27 miles, set S. 35° W. true.

Position at 8 P. M. { Latitude by DR. 27° 40' 17" N.
Longitude by Obs 21° 18' 36" W.

Variation of compass: } No obs.
Error of compass observed at }
Deviation of compass on }

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 1110 lbs.

Coal remaining on hand at noon, 130 " 1750 "

P. M.																		
1	V	0	250	S. 58° W	Eby N.	3			30.28	75	77	73	73	b-cm	S-Cu		8	S.
2	V	1	27.1	"	"	3			30.26	75	77	73	73	"	"		9	"
3	V	5	29.6	"	"	3			30.30	75	76	73	73	"	"		9	"
4	V	3	31.9	"	"	3			30.30	75	75	73	73	"	"		9	"
5	V	3	34.2	"	"	3			30.27	74	74	72	73	"	"		9	"
6	V	7	36.9	"	"	3			30.26	75	73	71	72	"	"		7	"
7	3	1	40.0	"	"	3			30.28	76	72	71	72	"	"		7	"
8	V	9	42.9	"	"	3			30.32	76	72	71	72	"	"		7	"
9	V	6	45.5	"	"	3			30.35	76	73	71	72	"	"		6	"
10	3	4	48.7	"	"	3-4			30.32	76	73	71	72	"	"		6	"
11	4	3	53.0	"	"	4			30.31	75	73	71	72	"	Ci-Cu		5	"
Mid.	3	5	56.5	"	"	4			30.29	75	73	71	71	"	"		4	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Sunday, November 4th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Gentle breeze from N. E. Ship under square sail and jib. Steering S. 58° W. by S.C. Rolling 5°, 5 per minute. Moon set in cloud bank at 3.40.

E. L. Beach Lieutenant, U.S.N.

4 to 8 A.M.

Clear and fine. Gentle breeze from N. E. and E.N.E. On course S. 58° W. under jib and all square sail to royals except weather clew of mainsail. At 5.00 sent boys over the masthead. Sighted four sail. Ship rolling 6 times a min. 10° each side. Unreeled propeller at 7.10.

H. R. Baldwin Lieutenant, U.S.N.

8 A.M. to Meridian.

Fine and warm. Bright to gentle breeze from E. by N. Under all square sail except weather clew of mainsail, and jib on course S. 58° W. (P.S.C.) At 9.30 went to quarters for muster. All hands called aft at 9.45 and the Articles of War were read by Executive Officer. Held divine service. Four barques and 1 barkentine in sight during watch. Painted colors for Danish barkentine and Norwegian barque. Barometer falling slowly. Ship rolling easily to long beam swell. Max. roll established 12° first 14°.

Lieutenant, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Gentle E. by N. by breeze. Barometer fluctuating. Ship rolling 6 per min. to N.W. by W. swell, 15° established, and 21° first Norwegian barken in sight all first bow bound W. Under jib and all square sail save weather clew of mainsail on course S. 58° W. (P.S.C.) Log 81.9 at end of watch.

Ralph Earle,
Ensign, U.S.N.

4 to 6 P.M.

Partly clear, misty but pleasant. Gentle breeze from E. by N. Barometer falling. On course S. 58° W. (P.S.C.) under jib and square sail to royals except weather clew of mainsail. Small bark on port bow R. T. Revere, U.S.R.C.S., released from confinement, the term having expired. Ship rolling occasionally to N.W. by W. swell six per minute 20° to port and 20° to starb. Set log at end 86.9.

Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant. Moonlight. Gentle breeze from E. by N. Under square sail to royals and jib. Steering S. 58° W. by S.C. Extreme rolls 18° starboard, 17 port, 6 per minute.

E. L. Beach Lieutenant, U.S.N.

8 P.M. to Midnight.

Clear and fine. Gentle to moderate breeze from E. by N. Bright moonlight. On course S. 58° W. under same sail as in preceding watch. Ship rolling 10° each side 6 times a minute.

H. R. Baldwin Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

4—555

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, P.R.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	3	1	59.6	S. 58° W.	Ebyn.	3			30.28	75	72	70		bcm	Ci-Cu		6	S.
2	3	4	63.0	"	"	3			30.28	75	71	70		"	"		5	"
3	3	8	66.8	"	"	3			30.26	74	71	70		bc	"		4	"
4	3	8	70.6	"	"	3			30.26	74	71	70		"	"		3	"
5	3	9	74.5	"	"	3			30.28	74	71	70		bcw	"		4	"
6	4	0	78.5	"	"	3			30.28	74	71	70		"	"		4	"
7	4	1	82.6	"	"	4			30.28	74	71	70		bc	"		3	"
8	4	3	86.9	"	"	4			30.30	74	72	72		"	"		3	"
9	4	6	91.5	"	"	4			30.33	75	75	73		"	"		1	"
10	4	5	96.0	"	"	4			30.34	76	78	75		"	"		1	"
11	4	0	100	"	"	4			30.35	77	78	75		"	"		1	"
Noon.	4	1	41	"	"	4			30.35	76	79	76		"	"		3	"

Position at 8 A. M. { Latitude by DR. 27° 04' 41" N. Mag. Temp
Longitude by Obs. 21° 48' 00" W. Fo'c'. Alt
Position at noon: { Latitude by observation 26° 44' 00" N. 76-74 72-71
Longitude by observation 22° 03' 24" W.
Latitude by D. R. 26° 50' 53" N.
Longitude by D. R. 21° 58' 51" W.

Course made good since preceding noon: S 35° W.

Distance made good since preceding noon: 90 miles.

Distance by Log since preceding noon: 81.5 miles.

Current per hour: 0.35 miles, set S. 38° W true.

Position at 8 P. M. { Latitude by DR. 26° 12' 24" N.
Longitude by Obs. 22° 30' 24" W.

Variation of compass: 19° 30' W'ly

Error of compass observed at 4:28 22° 09' "

Deviation of compass on S. 58° W. 2° 39' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1650 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 130 " 1450 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	4	3	8.4	S. 58° W.	East	4			30.34	76	78	75	74	bcm	Ci-Cu		3	S.
2	4	8	13.2	"	"	4			30.32	75	76	74	75	"	"		3	"
3	4	8	18.0	"	"	4			30.32	76	74	72	75	"	"		2	"
4	5	0	23.0	"	"	4			30.33	76	74	73	75	"	Ci.		1	"
5	4	6	27.6	"	"	4			30.32	75	73	72	75	"	Ci-Cu		3	"
6	4	6	32.2	"	Ebyn	4			30.31	75	74	73	74	"	"		2	"
7	5	2	37.4	"	"	4			30.32	76	74	73	74	"	"		2	"
8	5	5	42.9	"	"	4			30.32	76	74	73	74	"	"		3	"
9	5	4	48.3	"	East	4			30.33	78	74	73	75	bcmw	Ci.		3	"
10	5	2	53.5	"	"	4			30.32	78	74	73	75	bcw	"		3	"
11	5	4	58.9	"	E by S.	4			30.32	77	73	72	75	"	Cu		2	"
Mid.	5	4	64.3	"	"	4			30.32	77	74	73	75	"	"		2	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Monday, November 5th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Gentle breeze from E by N. On course S. 58° W. (S. 3 C.) under all square sail except weather clew of mainsail, and the gib set. Barometer falling slightly. Ship rolling easily. Mast rolls to eight 17° port 15°.

Wm. J. Fullam
Lieutenant, U.S.N.

4 to 8 A.M.

Fair and pleasant. Gentle to moderate E by N by E breeze. Barometer rose a little. Moon set at 4:40. Ship rolling 6 per min. 8° port and 6° stbd. Mustered and sent apprentices over masthead at 5:00. Unreefed propellers at 6:30. At end of watch under gib and all square sail save weather clew of mainsail, on course S. 58° W. (S. 3 C.) Log 56.9.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and warm. Moderate breeze from E by N. Barometer rising. Ship rolling easily 6 per min. 15° to stbd. 14° port. Mast rolls. On course S. 58° W. (S. 3 C.). Entire watch under gib and square sail to royals except weather clew of mainsail. At 9:30 mustered at quarters. Exercised at setting up drill, after which drilled as per routine set and 2nd Drill Corps. J. W. Fitzgerald, A.S.C., was confined as per punishment assigned. The Condy Officer assigned the following punishments:- J. S. Calhoun, Mate, A.S.C., using improper language to another person in the Navy, 4 hrs Class; W. J. Hogan, Mate, carelessness in breaking a lantern globe, 2nd Class; 3 hrs. Bailey, Wm., Carrying boys clothing and lying, 2 hrs extra duty; H. B. Butterfield, A.S.C., disorderly at mess formation, 6 hrs extra duty; T. Price, A.S.C., selling his clothing, 3 days S.C. on B.H.W.; O. J. Wondecke, A.S.C., dropping limbs from aloft, endangering lives of people on deck, 3 days S.C. on B.H.W.; W. T. Steele, A.S.C., disorderly at mess formation, 8 hrs extra duty; A. J. Schmidt, A.S.C., disorderly at mess formation, 6 hrs extra duty; W. J. Billings and J. V. Hatfield, A.S.C., refusing to obey orders, 8 hrs. extra duty. Capt. log at end of watch. All hands called. Called all hands and exercised at quarters and overhauled them.

J. W. Fitzgerald
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Hazy around horizon. Moderate breeze from East. Under gib and square sail, except weather clew of mainsail. Steering S. 58° W. (S. 3 C.). Had routine drills from 1:30 to 4:15. Then to 5:45 2nd Div. at Signals, 5th Div. Ordnance instruction. 3:00 to 4:00 1st Div. target practice with gallery rifle. Scraping boat space. Acting appointment of J. Reid, A.S.C., renewed for 6 months.

E. L. Beach. Lieutenant, U.S.N.

4 to 6 P.M.

Clear and fine. Moderate breeze from East and S by W. On course S. 58° W. under gib and square sail to royals except weather clew of mainsail. At 4:30 mustered at quarters and exercised at shortening and furling sail till 5:00 Leaving sail as before. Ship rolling 15° each side, 6 times a minute.

H. P. Baldwin Lieutenant, U.S.N.

6 to 8 P.M.

Clear and fine. Moderate breeze from S by W. On course S. 58° W. under all square sail except weather clew of mainsail and with gib set. The 2nd Div. had instruction and drill in night signals for ½ hour. Ship rolling easily. Mast rolls to port 7°, to stbd 5°.

Wm. J. Fullam
Lieutenant, U.S.N.

8 P.M. to Midnight

Fair and pleasant. Moderate East to S by E breeze. Barometer steady. Bright moonlight. Ship rolling easily 6 to 7°, six per min. Under gib and all square sail save weather clew of mainsail, on course S. 58° W. (S. 3 C.) Log 64.3 at end of watch.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lemly
Lieutenant, U.S.N. Navigator.

4—555

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea. Making passage from Funchal, Madeira to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1	5	3	69.6	S. 58° W.	East	4			30.31	75	74	73	75	b.cu	Cu.		5	S
2	5	0	74.6	"	"	3-4			30.31	75	74	73	75	"	,		5	"
3	5	0	79.6	"	"	4			30.31	75	74	73	75	"	"		3	"
4	5	1	84.7	"	E. by N.	4			30.31	75	74	73	75	"	"		5	"
5	5	3	90.0	"	"	4			30.31	75	74	74	75	"	,		5	"
6	5	7	95.7	"	"	4			30.32	74	74	74	75	"	,		4	"
7	6	0	1.7	"	"	4			30.33	74	74	74	75	b.c.	c.cu		3	"
8	5	8	7.5	"	"	4			30.36	74	75	74	75	"	"		3	"
9	6	1	13.6	"	East	4			30.36	75	76	74	75	"	"		7	"
10	6	2	19.8	"	"	4			30.38	75	77	74	75	"	"		5	"
11	6	3	26.1	"	"	4			30.39	75	78	74	75	"	"		4	"
Noon.	6	7	32.8	"	"	4			30.36	76	78	75	75	"	Cu.c		5	"

Position at 8 A. M.	Latitude by D.R.	25° 20' 12" N.
	Longitude by Obs.	23° 17' 45" W.
Position at noon:	Latitude by observation	25° 03' 05" N.
	Longitude by observation	23° 31' 39" W.
	Latitude by D. R.	25° 02' 54" N.
	Longitude by D. R.	23° 25' 00" W.
Course made good since preceding noon:		S. 38° W.
Distance made good since preceding noon:		128 miles.
Distance by Log since preceding noon:		128.7 miles.
Current per hour: 0.25 miles, set West true.		
Position at 8 P. M.	Latitude by D.R.	24° 36' 47" N.
	Longitude by Obs.	24° 05' 54" W.
Variation of compass:		19° 40' W. by
Error of compass observed at 4.38 P.M.		22° 29' "
Deviation of compass on S. 73° W.		2° 49' "
Water expended during the preceding 24 hours,		500 gallons.
Water during the preceding 24 hours,		— "
Water remaining on hand fit for use at noon,		1150 "
Coal consumed during the preceding 24 hours,		tons, 500 lbs.
Coal remaining on hand at noon,		130 " 745 "

Mag Temp
Fa. Aft.
76-75 74-70

P. M.																		
1	5	3	38.1	S. 73° W.	East	4			30.35	76	78	75	75	b.c.	Cu.c		5	M.
2	5	1	43.2	"	"	4			30.31	76	76	74	75	"	"		3	"
3	4	8	48.0	"	"	4			30.31	75	75	74	75	"	"		4	"
4	5	2	53.2	"	"	4			30.31	74	75	74	75	"	"		5	"
5	4	8	58.0	"	S. by E.	4			30.32	74	74	73	75	b.cu.	Cu.		5	"
6	4	8	62.8	"	"	4			30.34	77	74	73	75	"	Cu.S.		6	"
7	4	7	67.5	"	East	4			30.35	78	74	73	75	"	"		6	"
8	5	3	73.8	"	"	4			30.39	78	74	73	75	"	"		5	"
9	5	6	79.4	"	"	4			30.38	77	74	72	75	"	"		5	"
10	5	7	84.1	"	"	4			30.40	76	74	72	75	"	Cu.c		4	"
11	5	8	89.9	"	"	4			30.38	75	74	72	75	b.c.	"		3	"
Mid.	5	5	95.4	"	"	4			30.38	74	73	71	75	"	"		4	"

under the command of Commander Richard H. Davenport, U. S. Navy,

Tuesday, November 6th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 A.M.

Clear and pleasant. Hazy and Bright moonlight. Moderate breeze from East to Ely N. Barometer steady. Ship rolling 6 per min. 12° on each side. On course S. 89° W. (P.S.C.) under gib and square sail to royals except weather clew of mainsail.

R. W. Anderson
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Moderate breeze from E. by N. Steering S. 85° W. (P.S.C.) Ship under gib and square sail except weather clew of mainsail. Doubled clothes and decks. Engaged over the mouth and at 5:00 Full moon until 5:40 when moon set no clouds in sight. Ship rolling easily 10° and all to stbd. Pitching with moderate sea aft. At 5:15 observed flash of meteor to left of Polaris which lit up entire horizon with almost sunlight brilliancy.

E. H. Beach, Lieutenant, U.S.N.

8 A.M. to Meridian.

Clear and fine. Warm. Moderate breeze from East. On course S. 85° W. (P.S.C.) under gib and all square sail to royals except weather clew of mainsail. Ship rolling 6 each side 6 times a minute. By order of the Captain released C. Armistead, M. arty, from confinement, his term having expired, and placed J. McCaughey (A.B.C.) in solitary confinement as per punishment assigned. Punishment awarded by the Captain:- R. V. Lewis (A.B.C.) and C. McDuff (A.B.C.) 8 hrs extra duty for creating disturbance in ganguay during "all hands" drill. W. A. Nick (A.B.C.) S. Gemanek (A.B.C.) and W. F. Lemo (A.B.C.) 6 hrs extra duty for being absent from mess formation. Johan Johnson (B. Maker) confined in double irons to await trial by Summary Court Martial for assaulting another person on the Navy. At 9:30 mustered at quarters and exercised at setting up. At 9:45 sounded company drill call and equipped companies in heavy marching order. At 10:35 sounded aquatants call. Battalion inspected by the Captain. At 11:30 set back clock back five minutes. At 11:00 changed course to S. 78° W. (P.S.C.) 32.8.

E. H. Beach, Lieutenant, U.S.N.

Meridian to 4 P.M.

Fine and pleasant. Moderate E by S breeze. On course S. 78° W under all square sail except weather clew of mainsail with jib set. Ship rolling to following sea. Max roll 15° stbd 30° to port 25°. At 1:30 Divisions had routine drills. The 2nd Div. had gallery practice from 3 to 3:45. Specifications against John Johnson B.M. for assault (accidental) preferred by the Comdg Officer delivered at 3:30 P.M. The evening trumpet of Officer of Deck gave four overboard, Barometer falling slowly.

F. W. Kellam
Lieutenant, U.S.N.

4 to 6 P.M.

Fair and pleasant. Moderate E by S by S breeze. Barometer rising. Ship rolling 6 per min. to following sea, 20° stbd, and 25° port. At 4:30 went to quarters and exercised at shortening, furling and making sail till 4:55. Sealed mainsail, hoisted smoke stack, and at 5:20 lighted fires under boiler "C" for distilling purposes. At end of watch under gib, and square sail save mainsail, on course S. 78° W. (P.S.C.) Log 60.8.

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Moderate breeze from East. Barometer rising. Bright moonlight. Ship rolling 6 per min., to following sea, 24° to stbd, 22° port. On course S. 78° W. (P.S.C.) under gib and square sail to royals except mainsail. Fires under boiler "C" for distilling purposes. At end of watch put log 95.4. 5th Div. exercised at night signals.

R. W. Anderson
Ensign, U.S.N.

8 P.M. to Midnight

Clear and pleasant. Moderate breeze from East. Moderate following sea. Rolling, extreme 25° each side 6 per min. Bright moonlight. Ship under gib, and square sail except mainsail, steering p.c. S. 78° W. Started distilling at 10:30.

Examined and found to be correct.

E. H. Beach, Lieutenant, U.S.N.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

4-206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each form.	State of the Sea.
A. M.																		
1	5	4	00.6	S. 73° W.	East.	4			30.37	78	74	73	75	bc.	a.c.		6	m.
2	5	1	05.2	"	"	4			30.36	78	74	73	75	"	"		6	"
3	5	5	11.2	"	E. by S.	4			30.36	77	74	73	76	"	"		5	"
4	5	0	16.2	"	"	4			30.37	77	74	73	76	"	Cu.		4	"
5	5	3	21.5	"	"	4			30.34	77	74	71	75	"	"		4	"
6	5	1	26.6	"	"	4			30.34	77	74	71	75	"	"		4	"
7	5	1	31.7	"	"	4			30.35	77	74	71	75	"	"		3	"
8	5	1	36.8	"	"	4			30.36	77	75	72	75	"	"		4	"
9	5	4	42.0	"	"	4			30.37	78	78	74	75	"	"		3	"
10	5	4	47.4	"	"	4-5			30.37	78	78	74	76	"	"		3	"
11	6	7	54.1	"	"	5			30.38	78	78	75	76	"	"		3	"
Noon.	5	9	60.0	"	"	5			30.38	78	79	76	77	"	"		3	"

Position at 8 A. M.: Latitude by D.R. 23 °54 '41" N. Mag. Temp.
Longitude by Obs. 25 °28 '57" W. For. Obs. 75-74 72-70

Position at noon: Latitude by observation 23 °45 '18" N.
Longitude by observation 25 °29 '57" W.
Latitude by D. R. 23 °39 '47" N.
Longitude by D. R. 25 °17 '15" W.

Course made good since preceding noon: S. 63° W.

Distance made good since preceding noon: 181 miles.

Distance by Log since preceding noon: 127.2 miles.

Current per hour: 0.4 miles, set N. 55° W. true.

Position at 8 P. M.: Latitude by D.R. 23 °19 '00" N.
Longitude by Obs. 26 °03 '57" W.

Variation of compass:
Error of compass observed at } No observations.
Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons, 1260 lbs.

Coal remaining on hand at noon, 128 " 1730 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each form.	State of the Sea.
P. M.																		
1	5	4	65.4	S. 78° W.	E. by S.	4-5			30.33	77	79	75	75	bc.	a.c.		5	m.
2	5	3	70.7	"	"	4-5			30.33	77	78	74	75	"	"		5	"
3	5	8	76.5	"	"	4-5			30.31	77	77	73	75	"	Ci-Cu		4	"
4	5	3	81.8	"	"	4-5			30.30	76	77	73	75	"	"		5	"
5	4	9	86.7	"	"	4-5			30.30	75	76	73	75	"	"		6	"
6	5	6	92.3	"	"	4-5			30.33	75	76	72	75	"	"		6	"
7	6	1	98.5	"	"	4-5			30.33	77	75	72	75	"	"		5	"
8	6	1	04.7	"	"	4-5			30.33	77	75	71	75	"	"		4	"
9	6	1	10.8	"	E. by E.	5			30.37	78	76	72	75	"	"		3	"
10	5	3	16.1	"	"	4-5			30.35	78	76	72	75	"	a.c.		5	1
11	5	0	21.1	"	"	4-5			30.35	78	76	72	75	"	"		5	1
Mid.	5	8	26.9	"	"	5			30.32	78	76	72	75	"	"		4	1

4—2.5

under the command of Commander Richard G. Davenport, U. S. Navy,

Wednesday, November 7th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Moderate breeze from East and Ably S. On course S. 79° E. under jib and square sail to royals, except mainsail. Distilling. Ship rolling 6 times a min. Max. roll 15° each side.

Lieutenant, U.S.N.

4 to 8 A.M.

Fine and pleasant. Bright moonlight until sunrise. Moderate breeze from E by S. Under all square sail but mainsail, and jib. Ship rolling to following sea. Max. roll 22° Stbd - 19° port. At 5:30 sent Appr. 3 cl. over masthead. Distilling.

Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Moderate to stiff E by S Ely breeze. Barometer rising slowly. Ship rolling 6 per min. to following swell, 16° port and 15° stbd. Jas. Fitzgerald, a.s.c., was released from confinement and C. McCaffrey, a.s.c., was placed in confinement as per punishment assigned. At 9:30 went to quarters, fold setting up exercises, and short routine for general drills. A.S.C.M. of which Lieutenant C. F. Leiper, was senior member met at 10:45 for trial of J. Johnson, B. Myers, and at 11:30 took a recess till 1:15. And found as follows:- 1st and 2nd. Signals; 3rd. Artillery; 4th. Pistols; 5th. Ordnance instruction; 7th small arms; and Powder, gallery rifle. The Comdg. Officer assigned punishments as follows:- W. A. Flood and E. C. Ashling, a.s.c., Rifling Chief B Mates Cleet on forecastle, 3 days S.C. on B.M.W.; T. J. Kelly, a.s.c., smoking, 4 hrs extra duty; A. G. Partridge, a.s.c., Disturbing ch. B.M., while in the execution of his duty, 3 days S.C. on B.M.W.; J. W. Keim, a.s.c., asleep on life buoy watch, 12 hrs. extra duty; O. J. Windecker, a.s.c., using obscene and profane language, 10 hrs extra duty; O. Hayes, a.s.c., disobedience of orders, 12 hrs. extra duty; J. T. Jolly, a.s.c., Continually talking in ranks, 12 hrs. extra duty. Under jib, and square sail save mainsail, distilling, on course S. 79° W. (P.S.C.) until 12:00 when by 60.0 changed to S. 75° W. (P.S.C.).

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Stiff breeze from E by S. Barometer falling slowly. On course S. 75° W. (P.S.C.) under jib and square sail to royals except mainsail. Distilling. At 1:30 sounded drill call and drilled as per routine. 5th Main Yard gallery practice. At 1:15 the S.C.M. of which Lieut. C. F. Leiper was senior member, met from forenoon adjournment and adjourned at 4:35 to await action of the convening authority. Ship rolling 20° stbd. 17° port, 6 times per min.

R. W. Hendren
Ensign, U.S.N.

4 to 6 P.M.

Clear and pleasant. Moderate to stiff breeze from E by S. Ship under jib and square sail to royals except mainsail. Steering S. 75° W. (P.S.C.) Went to quarters at 4:30 Then exercised in sail drill. Rolling moderately, 10° each side. Pitching easily. Distilling.

E. W. Scott
Lieutenant, U.S.N.

6 to 8 P.M.

Clear and fine. Moderate to stiff breeze from E by S. Barometer steady. Moon rose at 6:40. On course S. 75° W. under jib and square sail to royals except mainsail. Ship rolling 10° each side, 6 times a min. Exercised 3rd Division in night signals from 7 to 7:30.

J. R. Belden
Lieutenant, U.S.N.

8 P.M. to Midnight.

Fine and pleasant. Bright moonlight. Moderate breeze from S. S.E. On course S. 75° W. under jib and all square sail but mainsail. Ship rolling to following sea, Max. roll to Sbd. 16°, to port 12°. Sounded in patent log at 10 P.M. to clear st. Distilling. Barometer falling slowly.

W. J. Baker
Lieutenant, U.S.N.

Examined and found to be correct.

C. F. Leiper,
Lieutenant, U.S.N. Navigator.

4-398

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Bulb.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	5	1	32.0	S. 78° W.	E.S.E.	4-5			30.59	78	75	71	75	bc	A-cu		4	m
2	5	2	37.2	"	"	4-5			30.33	77	75	71	75	"	"		4	"
3	4	2	41.4	"	"	4-5			30.33	77	74	71	75	"	Fr.cu		2	"
4	4	6	46.0	"	"	4-5			30.33	77	74	71	75	"	"		1	"
5	4	4	50.4	"	"	3-4			30.33	77	74	71	75	"	Cu		3	"
6	4	2	54.6	"	"	3-4			30.33	77	75	72	75	"	"		3	"
7	4	4	59.0	"	E.	3-4			30.33	77	76	72	77	"	"		3	"
8	3	8	62.8	"	"	3-4			30.33	77	76	72	77	"	"		3	"
9	5	0	67.8	"	E.S.E.	4			30.33	78	77	73	75	bcq	Cu.n.		7	"
10	5	0	72.8	"	"	3-4			30.36	78	77	73	77	bcq	"		7	"
11	5	7	78.5	"	"	4-5			30.35	77	77	75	75	"	"		6	"
Noon.	6	4	84.9	"	"	4-5			30.36	78	78	74	75	bc	A-cu		3	"

Position at 8 A. M.: Latitude by DR. 22° 44' 30" N. Mag. Amp. 78-76
Longitude by Obs. 27° 06' 00" W. Azr. 78-73.

Position at noon:
- Latitude by observation: 22° 41' 04" N.
- Longitude by observation: 27° 19' 48" W.
- Latitude by D. R.: 22° 31' 47" N.
- Longitude by D. R.: 27° 16' 03" W.

Course made good since preceding noon: S. 55° W.

Distance made good since preceding noon: 123.8 miles.

Distance by Log since preceding noon: 124.9 miles.

Current per hour: 0.4 miles, set N. 20° W. true.

Position at 8 P. M.: Latitude by DR. 22° 20' 04"
Longitude by Obs. 27° 54' 27"

Variation of compass: 19° 36' W.

Error of compass observed at 8:18 a.m. 23° 04' "

Deviation of compass on S. 78° W. 3° 28' "

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 1860 lbs.

Coal remaining on hand at noon, 126 " 2110 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Bulb.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	5	4	90.3	S. 81° W.	S.S.E. by E.	4			30.31	78	79	75	78	bcm.	Cu.		3	m.
2	5	0	95.3	"	"	4			30.30	78	79	75	78	"	"		4	"
3	4	9	99.2	"	E.S.E.	3-4			30.29	78	79	74	77	"	"		3	"
4	4	8	5.0	"	"	3-4			30.28	77	78	74	77	"	"		3	"
5	4	7	9.7	"	"	3-4			30.25	77	76	73	76	"	"		4	"
6	5	0	14.7	"	"	3-4			30.28	77	76	73	76	"	"		3	"
7	5	0	19.7	"	"	4			30.29	79	76	72	76	"	"		3	"
8	4	9	24.6	"	"	4			30.30	79	76	72	76	"	"		4	"
9	4	9	29.5	"	E by S.	4			30.31	79	75	72	76	bc	"		2	"
10	4	9	34.4	"	"	4			30.30	79	74	72	76	"	"		2	"
11	4	8	39.2	"	E.S.E.	4			30.29	79	74	72	76	"	"		2	"
Mid.	4	8	44.0	"	"	4			30.28	78	74	72	77	"	"		3	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Thursday, November 8th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Fair and pleasant. Moderate to stiff S.S.E. & E. breeze. Barometer steady. Ship rolling 6 per min. to following swell 20° at bd. to 18° port. Bright moonlight. Under jib and all square sail save mainsail, distilling, on course S. 78° W. (P.S.C.) log #6 at end of watch.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.

Clear and pleasant. Gentle to moderate breeze from E.S.E. to E. & S. Barometer steady. On course S. 78° W. (P.S.C.) under jib and square sail to royals except mainsail. Distilling. At 5:00 sent apprentices of watch over masthead. Ship rolling 6 per min. to following sea, 20° to at bd, 17° to port. Patent log at end 94.8.

R. W. Henderson
Ensign, U.S.N.

8 a.m. to Meridian.

Squally with rain at first, then moderate to stiff breeze from E.S.E. Steering S. 78° W. gsc. until 12:00 when changed course to S. 81° W. gsc. Ship under jib and square sail, to royals until 9:20 when took in royals set them again at 10:30. Had general quarters first drill period, times as follows:- 3rd Div 1 min. 3 4th 11 1/2, 5 Div 4 and 1 1/2, Mast 4 sec, 2 3 5th 1 1/4. Secured in 3 1/2 min. at 10:01. Drilled as per routine from 10:45 to 11:30. By order of Comdg Officer J. S. Sargent, appr. U.S., furnished log # five extra duty for smoking. Distilling.

E. L. Beach, Lieutenant, U.S.N.

Meridian to 4 p.m.

Clear and fine. Gentle to moderate breeze from S.E. by E. and E.S.E. Barometer falling slowly. At 1:30 exercised divisions as per routine till 2:15. 5th Division had extra instruction in Ordnance from 2:15 to 2:45. 3rd Div. exercised with gallery rifle from 2:30 to 3:30. On course S. 81° W. under jib and square sail except mainsail. Ship rolling 6 times a min. 15° at bd, 12° port.

F. R. Baldwin, Lieutenant, U.S.N.

4 to 6 p.m.

Fine and pleasant. Warm breeze from E.S.E. Barometer steady. On course S. 81° W. under jib and all square sail except mainsail. At 4:30 went to quarters for muster. All hands exercised at sail drill for 20 min. after quarters. Ship rolling to following swell 16° to at bd. and 12° to port. Distilling.

[signature illegible]
Lieutenant, U.S.N.

6 to 8 p.m.

Fair and pleasant. Moderate E.S.E. breeze. Barometer rising. Moon rose at 7:15. Ship rolling 6 per min. to following swell 14° at bd. and 12° port. The 4th Div. exercised at signalling with hand lanterns from 7:00 to 7:30 Under jib and all square sail save mainsail, on course S. 81° W. (P.S.C.) log 44 6 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to Midnight.

Clear and pleasant. Bright moonlight. Moderate breeze from E by S to E.S.E. Barometer rising. Ship rolling 6 per min. to following sea. Mast roll 18° to at bd, and 15° to port. On course S. 81° W. (P.S.C.) under jib and square sail to royals except mainsail. Patent log at end 44.0. Distilling.

R. W. Henderson
Ensign, U.S.N.

Examined and found to be correct.

E. T. Spencer,
Lieutenant, U.S.N. Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes.	State of the Sea.
A. M.																		
1	4	7	48.7	S. 81° W.	E. S. E.	4			30.16	77	76	72	76	bc	Ci.		4	m.
2	4	7	53.4	"	"	4			30.24	77	76	72	76	"	"		4	"
3	4	9	58.3	"	"	4			30.22	77	75	72	76	"	Cu.-S.		4	"
4	3	6	61.9	"	"	3-4			30.24	77	75	72	76	"	"		4	"
5	4	1	66.0	"	"	3-4			30.24	77	75	72	76	"	"		4	"
6	3	6	69.6	"	"	3-4			30.24	77	75	72	76	"	"		5	"
7	3	6	73.2	"	"	3-4			30.24	77	76	72	76	"	Ci.-Cu.		4	"
8	3	7	76.9	"	"	3-4			30.24	77	78	74	76	"	"		4	"
9	3	1	80.0	"	"	3-4			30.27	77	78	75	77	"	S-Cus.		6	"
10	3	4	83.4	"	"	3-4			30.27	78	79	76	77	"	Cu. n.		4	"
11	3	6	87.0	"	"	3-4			30.27	78	79	76	77	"	Cu.		4	"
Noon.	5	0	92.0	"	"	3-4			30.25	78	79	76	77	"	"		5	"

Position at 8 A. M.: Latitude by	Lat.	21° 52' 22" N.
Position at 8 A. M.: Longitude by	Chron.	28° 51' 45" W.
Position at noon: Latitude by observation		21° 46' 05" N.
Position at noon: Longitude by observation		29° 04' 03" W.
Position at noon: Latitude by D. R.		21° 44' 52" N.
Position at noon: Longitude by D. R.		28° 56' 54" W.
Course made good since preceding noon:		S. 60° W.
Distance made good since preceding noon:		111.6 miles.
Distance by Log since preceding noon:		107.1 miles.
Current per hour: 0.25 miles, set N. 80° W. true.		
Position at 8 P. M.: Latitude by	D.R.	21° 35' 46" N.
Position at 8 P. M.: Longitude by	D.R.	29° 39' 03" W.
Variation of compass:		19° 45' W'ly
Error of compass observed at 8:25 a.m.		2° 54' "
Deviation of compass on S. 81° W.		2° 39' "
Water expended during the preceding 24 hours,		500 gallons.
Water distilled during the preceding 24 hours,		800 "
Water remaining on hand fit for use at noon,		2700 "
Coal consumed during the preceding 24 hours,		1 tons, 660 lbs.
Coal remaining on hand at noon,		125 " 1450 "

Mag. Temp. Fore 77-76 Aft 76-74

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes.	State of the Sea.
P. M.																		
1	3	8	95.8	S. 85° W.	E. S. E.	4			30.23	78	79	76	77	bc	Cu.		5	m.
2	4	4	00.2	"	E. by N.	3-4			30.20	77	77	75	77	bcg	Cu. n.		6	"
3	5	1	5.3	"	E.	3-4			30.19	77	76	74	77	"	"		7	"
4	4	9	10.2	"	"	4			30.19	77	75	73	77	"	"		6	"
5	4	2	14.4	"	E. by N.	3-4			30.22	77	75	73	77	bcg	"		7	"
6	4	7	19.1	"	E. S. E.	3-4			30.21	79	75	73	77	bcg	"		9	"
7	5	2	24.3	"	"	4			30.23	79	76	73	77	bcg	"		9	"
8	4	4	28.7	"	S. E.	2-3			30.29	79	76	74	77	"	"		8	"
9	4	6	33.5	"	E. by S.	3			30.25	78	75	73	77	bc	"		8	"
10	4	8	38.3	"	"	3			30.25	77	75	73	77	bcg	"		8	"
11	3	7	42.0	"	E. by N.	2-3			30.25	77	75	73	77	bcg	"		6	"
Mid.	4	5	46.5	"	"	3			30.25	77	74	73	77	bc	"		5	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Friday, November 9th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Bright moonlight. Moderate breeze from E.S.E. Steering S. 71° W. by C., Ship under jib and square sail to royals except mainsail. Rolling easily 10° each. Scrubbing until 1:30 when stopped.

E. L. Beach,
Lieutenant, U.S.N.

4 to 8 A.M.

Clear and pleasant. Gentle to moderate breeze from E.S.E. On course S. 81° W. under jib and square sail to royals except mainsail. Main topmast staysail set from 6:30 to 7:45. Sent boys over the masthead at 6. Ship rolling 8° each side, 6 times a minute.

M. Baldwin, Lieutenant, U.S.N.

8 A.M. to Meridian.

Fine and pleasant. Gentle to moderate breeze from E.S.E. On course S. 71° W. under jib and square sail except mainsail until 9:00 A.M. when set the clew of mainsail. At 9:30 went to quarters. At 9:41½ sounded alarm for fire quarters. Divs. reported as follows:- 4th, ½ min.; 3rd, 9/4; 1st, 1; 2nd, 2; Gun. 1¼; Torp. 2½; 5th, 2½. Sounded call for abandon ship at 9:51. Boats reported as follows:- 1st C. ½ min.; 3rd, 1; Eng 1½; 1st C. 2; 2nd 2½; W.B. 2¾; 4th 3; 5th 4; Surgy 4¼. All Divs. and boats secured in 3¾ minutes. At 10:30 sounded call for 4 cutters and 4 boats for distant service. Boats reported as follows:- 1st C. 4½ min.; 3rd 2¾; 2nd 0½; W.B. 4; 4th C. 5. At 10:35¼ sounded secure, all boats reporting in 11¼ min. Barometer falling slowly. Cond'y. Officers inspected quarters as follows:- J. B. Sargent, Appr. 3 cl., Steering station at life buoy without being relieved and Looking for 2, 1 hr. extra duty; J. B. Smythe, T. A. M. S. Kernan, E. J. M. S. Mahon, J. Fonte, and T. J. Fitzsimmons, Appr. 3 cl., Loitering on gun deck during watch on deck, 6 hrs. extra duty; R. T. Lewis, 3 C. M. cl., Insolent to M. A., confined on 4th Class 1 month; J. B. McKernan, Appr. 3 cl., Smoking 4 hours extra duty. Ship steady. At 11 o'clock 5 min. Rammed 1 broken of 4" gun sponged and oiled home and replaced. At noon changed course to S. 75° W.

W. I. Wyllie
Lieutenant, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant with light rain squalls at times. Moderate breeze from E.S.E. to E. by N. Barometer falling. Ship rolling 6 per min., 14° each, and 16° apart to following swell. Unreeled battery and drill period. Tested drums and flood cables, and found them in good condition save a broken handle to drum of ordnance storeroom. A main spring of 6 pdr. was broken accidentally. At the Div. had practice with gallery rifle. Hauled up for clew of mainsail at 1:00, setting it again at 3:30. Under jib and square sail some weather clew mainsail, on course S. 85° W. (P.S.C.) Log 10½ at end of watch.

Rachel Eagle,
Ensign, U.S.N.

4 to 6 P.M.

Partly clear and squally. Moderate breeze from E. by N. to E. by S. Barometer steady. Ship rolling to following sea, 11° each, 9° apart. On course S. 85° W. (P.S.C.) under jib and square sail to royals except weather clew of mainsail. At 4:10 took in lee clew of mainsail and set it again at 6:00. At 4:30 mustered at quarters and exercised at sail drill, furling and making sail.

R. W. Strudwick
Ensign, U.S.N.

6 to 8 P.M.

Squally, wind in fitful gusts, variable directions, averaging moderate from E.S.E. Course S. 75° W. P.S.C. Ship under jib and square sail to royals, except fore clew mainsail. Exercised at Div. at night signals.

E. L. Beach
Lieutenant, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Rain squalls around the horizon. Light to gentle breeze from S.E. to E. by N. At 9:00 a drizzling rain squall passed over followed by lunar rainbow. On course S. 85° W. under jib and square sail to royals except weather clew of mainsail. Ship rolling 6 times a min. 20° apart, 8° to each. Moon rose about 8:20.

Examined and found to be correct.

M. Baldwin Lieutenant, U.S.N.

P. F. Lanfair
Lieutenant, U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, sub-divis.	State of the Sea.
A. M.																		
1	4	9	57.4	S. 85° W.	E by N.	4			30.24	70	75	72	77	bc	Cu.		V	m.
2	3	8	55.2	"	East	3-4			30.23	79	75	72	77	"	"		V	"
3	4	1	59.5	"	E by S.	4			30.23	79	75	72	77	"	"		1	"
4	3	9	63.4	"	East	4			30.21	78	75	71	77	"	"		V	"
5	4	1	67.5	"	"	4			30.19	78	75	71	77	"	"		5	Cl.
6	4	2	71.7	"	"	4			30.19	78	75	71	77	"	"		5	"
7	4	0	75.7	"	"	4			30.19	78	76	72	77	"	"		3	"
8	4	6	80.3	"	"	4			30.22	78	75	72	77	"	"		5	"
9	4	2	84.5	"	E by N.	3			30.25	77	77	72	77	"	"		V	"
10	4	5	89.0	"	East	3-4			30.28	78	78	74	78	bcq.	cu.n.		7	"
11	4	1	93.1	"	"	3-4			30.27	78	78	74	78	bc.			4	"
Noon.	4	5	97.6	"	"	3-4			30.23	78	79	74	78	bcq.	"		6	"

Position at 8 A. M.: Latitude by D.R. 21° 38' 46" N. Mag. Sumn
Longitude by Obs. 30° 34' 45" W. Hr. Alt. 78-77 76-25

Position at noon: Latitude by observation 20° 58' 43" N.
Longitude by observation 30° 49' 27" W.
Latitude by D. R. 20° 56' 52" N.
Longitude by D. R. 30° 43' 33" W.

Course made good since preceding noon: S. 64° W

Distance made good since preceding noon: 109 miles.

Distance by Log since preceding noon: 105.4 miles.

Current per hour: 0.24 miles, set N. 71° W. true.

Position at 8 P. M.: Latitude by D.R. 20° 45' 49" N.
Longitude by Obs. 31° 25' 00" W.

Variation of compass: 19° 10' Wly

Error of compass observed at 1:25 P.M. 2° 30' "

Deviation of compass on S. 85° W. 3° 10' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 5 00 lbs.

Coal remaining on hand at noon, 125 " 950 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, sub-divis.	State of the Sea.
P. M.																		
1	3	6	1.2	West.	East.	3-4			30.19	78	81	75	77	bc	Cu-Cu.		6	m.
2	4	2	5.4	"	"	3-4			30.16	78	82	76	77	"	"		7	"
3	4	1	9.3	"	"	3-4			30.15	77	78	74	77	"	"		7	"
4	4	2	13.5	"	"	3-4			30.14	77	77	73	77	"	"		7	"
5	4	4	17.9	"	E.S.E.	3-4			30.16	77	77	73	77	"	"		5	"
6	4	0	21.9	"	"	3-4			30.18	78	76	73	77	"	"		4	"
7	4	0	25.9	"	"	3-4			30.20	78	76	73	77	"	"		3	"
8	4	5	30.4	"	"	3-4			30.21	79	76	73	77	"	"		1	"
9	4	2	34.6	"	"	3-4			30.21	79	76	73	76	"	S-n.		2	"
10	3	7	38.3	"	"	3-4			30.22	78	76	73	76	"	Cu-S		4	"
11	3	6	41.8	"	"	3-4			30.22	78	76	73	76	"	"		4	"
Mid.	3	6	45.5	"	"	3-4			30.20	78	76	73	76	"	"		4	"

4-25

under the command of Commander Richard P. Davenport, U. S. Navy,

Saturday, November 10th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Gentle to moderate variable breeze. On course S. 35° W. under jib and all square sail except weather clew of mainsail. At 11:30 took in clew of mainsail, the wind having hauled aft. Barometer falling. Ship steady.

W. P. Biddle Jr
Lieutenant, U.S.N.

4 to 8 A.M.

Fair to cloudy and pleasant. Moderate East'ly breeze. Barometer nearly steady. Ship rolling 6 per min. 8° each side. At 5:00 mustered and sent apprentices over mastheads. Aired bedding. Under jib and all square sail save mainsail, on course S. 85° W. (P.S.C.) log 80.3 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian

Clear and very warm. Small passing showers. Moderate breeze from East. Barometer steady. On course S. 85° W. (P.S.C.) and under jib and square sail to royals except mainsail. Ship rolling very slightly in following sea. At 11:00 Comdg. Officer inspected all bags and clothing. Divisional Officers rectified clothing lists. At 12 changed course to West (P.S.C.).

K. W. Hindrup
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and warm. Gentle to moderate breeze from East. Steering West free. Ship under jib and square sail to royals except mainsail. Mast. roll 5° each side.

E. L. Beach,
Lieutenant, U.S.N.

4 to 6 P.M.

Clear and fine. Gentle to moderate breeze from E.S.E. On course West under jib and square sail to royals, except mainsail. At 4:15 set lee clew of mainsail. At 4:30 mustered at quarters and exercised at setting up. Ship about steady.

W. P. Biddle Jr Lieutenant, U.S.N.

6 to 8 P.M.

Clear and fine. Gentle to moderate breeze from E.S.E. On course West under jib and all square sail except weather clew of mainsail. Barometer rising. Ship about steady.

W. P. Biddle Jr
Lieutenant, U.S.N.

8 P.M. to Midnight

Fair and pleasant. Gentle to moderate E.S.E'ly breeze. Ship nearly steady. Moon rose at 9:20. Under sail as in previous watches, on course West (P.S.C.) log 405.8 at end of watch.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb	TEMPERATURE. Air. Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1	3	6	49.1	West	E by S.	3-4			30/8	78	76	73	76	be.	Cu-Cu.		7	m.
2	3	7	52.8	"	"	3-4			30/7	78	76	73	76	"	"		5	"
3	3	6	56.4	"	"	3-4			30/7	78	76	73	76	"	"		5	"
4	3	7	60.1	"	"	3-4			30/6	78	76	73	76	"	"		5	"
5	3	7	63.8	"	"	3-4			30/6	78	76	73	76	"	Cu-m.		7	Co.
6	3	7	67.5	"	"	3-4			30/7	78	76	73	76	"	"		7	
7	4	1	71.6	"	"	3-4			30/8	78	76	74	76	"	"		7	"
8	4	1	75.7	"	"	3-4			30/9	78	76	74	77	"	"		7	"
9	4	3	80.0	"	"	3-4			30/9	77	78	75	77	"	"		9	"
10	4	6	84.7	"	"	3-4			30/9	78	78	75	77	"	"		8	"
11	3	6	88.3	"	"	3-4			30/9	78	77	75	77	"	"		8	"
Noon.	4	1	92.4	"	"	3-4			30/9	78	80	76	77	"	"		7	"

Position at 8 A. M.	Latitude by D.R.	20° 25' 49" N.
	Longitude by Obs.	32° 11' 00" W.
Position at noon:	Latitude by observation	20° 22' 39" N.
	Longitude by observation	32° 27' 30" W.
	Latitude by D. R.	20° 22' 31" N.
	Longitude by D. R.	32° 23' 37" W.
Course made good since preceding noon:		S. 68° W.
Distance made good since preceding noon:		99 miles.
Distance by Log since preceding noon:		95 miles.
Current per hour:	0.15 miles, set West true.	
Position at 8 P. M.	Latitude by D.R.	20° 13' 45" N.
	Longitude by D.R.	33° 52' 12" W.
Variation of compass:		18° 22' Wly.
Error of compass observed at 8:15 A.M.		22° 18' "
Deviation of compass on West.		3° 51' "
Water expended during the preceding 24 hours,		5-00 gallons.
Water during the preceding 24 hours,		— "
Water remaining on hand fit for use at noon,		1700. "
Coal consumed during the preceding 24 hours,		tons, 500 lbs.
Coal remaining on hand at noon,		125 " 450 "

Mag. Temp. Fr.	Aft.
78-76	76-74

P. M.																		
1	3	6	26.0	N. 85° W.	E.S.E.	3-4			30/9	79	81	76	78	be.	Cu-m.		8	m.
2	3	6	29.6	"	"	3-4			30/8	79	81	76	78	"	"		6	"
3	3	4	3.0	"	East	3-4			30/7	79	80	75	78	"	Cu-S		5	"
4	3	2	6.2	"	South	3-4			30/7	78	77	73	78	bcp	Cu-m.		8	"
5	4	4	10.6	"	E by S.	4			30/7	77	76	73	76	oc.	S-Cu-m.		10	"
6	2	9	13.5	"	E.S.E.	3			30/8	77	76	73	76	be.	"		8	"
7	3	8	17.3	"	"	4			30/9	79	77	75	76	"	"		6	"
8	5	4	22.7	"	S.E.	4			30/9	79	76	73	76	oc.	"		10	"
9	4	5	27.2	"	"	4			30/9	79	77	74	78	bcm.	Cu-m.		7	"
10	3	3	30.5	"	"	3-4			30/8	79	77	74	78	oc.	"		10	"
11	3	5	34.0	"	E.S.E.	3-4			30/8	79	77	74	78	bcm.	"		8	"
Mid.	4	6	38.6	"	S.S.E.	4			30/9	79	77	74	78	"	S-Cu.		8	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Sunday, November 11th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Ship about steady. Moderate breeze from E by S. Barometer steady. On course W.S.W. (p.c.). Under jib and square sail to royals except mainsail, having hauled up lee clew of mainsail at 2.50.

Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Cloudy. Gentle to moderate breeze from E by S. Ship under jib and square sail to royals, except weather clew of mainsail from 4 to 5:30. Mast roll 10°. Sent apprentices over the masthead.

E. L. Brach. Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to moderate breeze from E by S. On course W.S.W. under jib and square sail except lee clew of mainsail. At 8:15 took in lee clew of mainsail. At 9:30 mustered at quarters and the Captain inspected ship and crew at quarters. By order of the Captain released from confinement and restored to duty O. McCaffry (A.B.C.) who has been having suffered. At 10:00 held divine service on the gun deck. At 11:30 called all hands to muster and published Court Martial proceedings in case of Johan Johnson (Boilermaker) sentenced to 15 days solitary confinement on double nine on bread and water, with full ration every 5th day, and to lose 15 days pay amounting to Thirty dollars and fifty cents ($30.50). J. Johnson (Waiter) was confined in conformity with sentence. Set clock back 4 minutes at 11:00.

W. R. Baldwin Lieutenant, U.S.N.

Meridian to 4 P.M.

Hazy and pleasant. Gentle to moderate breeze from E.S.E. to East. On course N. 85° W. (p.c.) under jib and all square sail but mainsail. Barometer falling slowly. Ship steady.

Lieutenant, U.S.N.

4 to 6 P.M.

Cloudy and overcast. Gentle to moderate breeze from South and E by S. Barometer steady. Rolling 6 per min., 10° each side. At 4:30 mustered at quarters. Set mainsail at 4:30, and at 5:10 hauled up weather clew. Under jib and all square sail save weather clew mainsail, on course N. 85° W. (p.c.) Log 13.5 at end of watch.

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Cloudy and partly clear. Moderate breeze from E.S.E. Barometer rising. On course N. 85° W. (p.c.) and under jib and all square sail to royals, having set weather clew of mainsail at 7:30. Ship about steady in following sea. C.2. at end 22.7.

Ensign, U.S.N.

8 P.M. to Midnight.

Overcast and cloudy. Gentle to moderate breeze from E.S.E. to E.S.E. Steering free. N. 85° W. Ship under jib and square sail to royals. Mast roll 5°, 6 per minute.

E. L. Brach. Lieutenant, U.S.N.

Examined and found to be correct.

F. T. Leiper.
Lieutenant, U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, sub-divid.	State of the Sea.
A. M.																		
1	4	5	43.1	N. 85° W.	E.S.E.	4			30.15	78	77	74	76	bc.	Cu. S.		7	m.
2	4	5	47.6	"	"	4			30.16	78	77	74	76	"	"		8	"
3	4	4	52.0	"	"	4			30.14	79	77	74	76	"	"		8	"
4	4	5	56.5	"	"	4			30.14	79	77	74	76	"	"		7	"
5	4	1	60.6	"	"	4			30.14	79	77	74	76	"	Cu.		7	fr.
6	4	4	65.0	"	"	4			30.14	79	77	74	76	"	S. Cu.		7	"
7	5	0	70.0	"	"	4			30.16	79	77	74	77	"	"		9	"
8	5	2	75.2	"	E.S.E.	4			30.16	78	77	74	77	"	"		9	"
9	5	4	80.6	"	"	4			30.19	78	79	75	77	"	S. Cu.		9	m.
10	5	1	85.7	"	"	4			30.19	78	79	76	77	"	"		9	"
11	4	8	90.5	"	"	4			30.19	78	79	75	77	oc.	"		10	"
Noon.	5	1	95.6	"	"	4			30.16	78	79	75	77	"	"		10	"

Position at 8 A. M.	Latitude by D.R.	19° 58' 21" N.
	Longitude by Obs.	34° 00' 45" W.
Position at noon:	Latitude by observation	19° 55' 00" N.
	Longitude by observation	34° 20' 00" W.
	Latitude by D. R.	19° 53' 21" N.
	Longitude by D. R.	34° 12' 57" W.
Course made good since preceding noon:		S. 75° W.
Distance made good since preceding noon:		109 miles.
Distance by Log since preceding noon:		103.2 miles.
Current per hour: 0.3 miles, set N. 65° W. true.		
Position at 8 P. M.	Latitude by D.R.	19° 50' 18" N.
	Longitude by Obs.	34° 49' 27" W.
Variation of compass:		17° 30' W'ly
Error of compass observed at 8.61 A.M.		21° 44' "
Deviation of compass on N. 85° W.		4° 14' "
Water expended during the preceding 24 hours,		500 gallons.
Water during the preceding 24 hours,		— "
Water remaining on hand fit for use at noon,		1200 "
Coal consumed during the preceding 24 hours,		tons, 1100 lbs.
Coal remaining on hand at noon,		124 " 1590 "

Mag Temp
Corr Alt
77-76 77-75

P. M.																		
1	3	4	99.0	N. 78° W.	S.S.E.	3			30.15	78	74	76	77	bc.	S. Cu.		9	m.
2	3	6	2.6	"	S.E.	3			30.13	79	79	77	77				9	"
3	3	2	5.8	"	S.S.E.	3			30.14	79	80	76	77	"	"		9	"
4	3	3	9.1	"	S.E.	3			30.14	79	80	76	77	"	"		8	"
5	3	2	12.3	"	S.E. by S.	3			30.18	79	80	77	77	bcm.	A. Cu.		7	fr.
6	3	7	16.0	"	"	3			30.19	79	78	75	77	"	"		8	"
7	3	5	19.5	"	"	3			30.20	80	78	76	78	"	"		4	"
8	3	4	22.9	"	"	3			30.21	80	77	74	78	bc.	Cu.		2	"
9	3	6	26.4	"	"	3			30.23	80	77	73	78	"	"		2	"
10	3	7	30.1	"	"	3			30.23	80	76	73	78	"	"		3	"
11	4	0	34.1	"	"	3			30.21	80	76	73	78	"	"		2	"
Mid.	4	0	38.1	"	"	3			30.20	80	76	73	78	"	"		3	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Monday, November 12th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Hazy. Moonlight. Moderate breeze from E.S.E. On course N. 85° W. under jib and square sail to royals. Ship rolling 3° each side, 6 times a minute.

J. R. Belvin Lieutenant, U.S.N.

4 to 8 A.M.

Fair and pleasant. Moderate breeze from E.S.E. to S.E. by E. Under jib and all square sail until 6:45 when set all sail except trysail. Ship rolling 4° each side, 6 times a minute. At 5:30 sent Apprentices over mast and yard. Barometer rising.

J. R. Belvin Lieutenant, U.S.N.

8 A.M. to Meridian.

Overcast and pleasant. Moderate S.E. by E. breeze. Ship rolling 4° per min. 10° each side. Released O. McCaffrey, a.s.c. from confinement he term having expired, and confined J. Barron, a.s.c., in accordance with the sentence of a S.C.M. At 9:00 went to quarters and held setting up exercises. Held the routine drills 1st and 2nd periods. Lowered trysail gaff to scrape at and hoisted it again. Took in spanker at 10:00. The Cruise Officer assigned following punishments. - To W. Decker and J. B. Sheridan, Appr. 3d. Carelessness, throwing salt water over bunch of flags of 4 guns, 5 hrs. extra duty; S. Glass, Appr. 3d, Smoking at quarters while divisional officer was reporting division to executive officer, 1 hr. extra duty; A. W. Fellman, Appr. 3d, leaving station on life buoy watch, 2 hrs. extra duty; F. B. McLennan, Appr. 3d, creating disturbance at quarters, 6 hrs. extra duty; C. Crawford, Appr. 3d, refusing to obey the orders of a Petty Officer, 3 days solitary confinement on bread and water; H. G. Billings, Appr. 3d, Mocking the Master at Arms, 1 hr. extra duty; C. J. Eyler, Appr. 3d, stealing and lying, prisoner at large to await trial by S.C.M. Under all sail save spanker and trysail, on course N. 85° W. (P.S.C.) until 12:00, when log 95.6 changed to N. 75° W. (P.S.C.).

Ralph Earle, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Gentle breeze from S.E. by E. to S.E. Barometer falling slowly. On course N. 75° W. (P.S.C.) under jib and square sail to royals, except weather clew of mainsail, having hauled down flying jib and fore and main topmast staysails at 2:00. Lowered spanker gaff, scraped it, and rehoisted it. At 1:15 sounded drill calls and exercised as per routine. 3rd and 5th Divs. had extra instruction in Signals & Ordnance respectively. 4th Div. held gallery practice.

R. W. Hazelhurst Ensign, U.S.N.

4 to 6 P.M.

Overcast and cloudy. Gentle breeze from S.E. by S. Steering per N. 75° W. under jib and square sail to royals except weather clew mainsail. Went to quarters at 4:30, afterwards exercised at reefing and furling. Specifications of S.C.M. were given to C. J. Eyler, Appr. 3d. He was then confined in double irons by order of Cruise Officer to await trial. Afterwards, by order of Cruise Officer, the report of stealing & lying against Chas. J. Eyler, is changed to "having the property of another in his possession and lying." Instead of being tried by S.C.M. the specifications for stealing as set down and he is left in confinement to await further investigation. Mast all 16 each side, 6 per min.

E. L. Beach Lieutenant, U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle breeze from S.E. by S. Barometer rising. On course N. 75° W. under jib and square sail to royals except weather clew of mainsail. Ship rolling 6 times a min., 15° first and 14° after. Exercised 3rd Div., Port Watch at night signals from 7 to 7:30.

J. R. Belvin Lieutenant, U.S.N.

8 P.M. to Midnight.

Clear and fine. Gentle breeze from S.E. by S. On course N. 75° W. under jib and square sail except weather clew of mainsail. Barometer fluctuating. Ship rolling 6 times per minute. Mast roll 15° first, 14° after.

W. C. Wise Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper, Lieutenant, U.S.N., Navigator.

4—995

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb	Air, Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	1	42.2	N.78°W.	E.S.E.	3-4			30.21	80	77	74	78	bcu	Cu		2	S.
2	3	9	46.1	"	"	3-4			30.20	80	77	74	78	"	St-Cu		2	"
3	4	4	50.5	"	"	4			30.19	80	77	74	78	"	"		4	"
4	4	7	55.2	"	"	4			30.18	80	77	76	79	"	Cu-Cu		5	"
5	4	7	59.9	"	"	4			30.18	80	77	76	79	bcu	"		9	"
6	4	6	64.5	"	"	4			30.18	80	77	76	78	bcu	Cu		7	"
7	5	2	69.7	"	"	4			30.19	80	77	74	78	"	"		5	"
8	4	8	74.5	"	"	4			30.20	80	78	74	78	"	"		5	"
9	4	6	79.1	"	SE.	4			30.21	80	79	75	79	bcu	"		3	"
10	4	5	83.6	"	"	4			30.23	80	80	76	78	"	"		3	"
11	4	.2	87.8	"	ESE.	4			30.25	81	82	76	79	"	"		3	"
Noon.	4	2	92.0	"	SSE.	4			30.24	80	80	76	78	"	Cu-Cu		5	"

Position at 8 A. M.: Latitude by DR 19° 41' 18" N. Mag Temp.
Longitude by Obs 35° 50' 00" W Sea Air
Position at noon: Latitude by observation 19° 41' 04" N. 77-76 76-75.
Longitude by observation 36° 10' 17" W
Latitude by D. R. 19° 38' 12" N.
Longitude by D. R. 36° 01' 54" W.
Course made good since preceding noon: S. 82° W.
Distance made good since preceding noon: 104 miles.
Distance by Log since preceding noon: 103.6 miles.
Current per hour: 0.35 miles, set N. 70° W. true.
Position at 8 P. M.: Latitude by DR 19° 40' 00" N.
Longitude by Obs 36° 40' 54" W
Variation of compass: 16° 30' W'ly
Error of compass observed at 4:31 PM 21° 05' "
Deviation of compass on N. 71° W. 4° 35' "
Water expended during the preceding 24 hours, 500 gallons.
Water distilled during the preceding 24 hours, 50 "
Water remaining on hand fit for use at noon, 650 "
Coal consumed during the preceding 24 hours, tons, 1700 lbs.
Coal remaining on hand at noon, 123 " 2100 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb	Air, Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	3	9	95.9	N.71°W.	E.S.E.	4			30.19	80	83	80	78	bcu	Cu-Cu		5	S.
2	3	7	99.6	"	"	3-4			30.20	81	86	81	78	"	St-Cu		6	"
3	3	3	2.9	"	"	3-4			30.19	80	85	80	78	"	"		6	"
4	4	0	6.8	"	"	3-4			30.18	80	83	80	78	"	Cu-Cu		4	"
5	3	6	10.5	"	"	3-4			30.18	80	82	80	78	"	"		4	"
6	4	0	14.5	"	"	4			30.21	80	79	77	78	"	"		4	"
7	4	3	18.8	"	"	4			30.23	81	79	76	78	"	"		4	"
8	3	6	22.4	"	"	4			30.25	81	79	76	78	"	"		4	"
9	4	1	26.5	"	"	4			30.28	81	79	77	78	bcu	Cu-Ni		3	"
10	4	5	31.0	"	"	4			30.28	81	79	77	78	bcu	"		4	"
11	3	6	34.6	"	"	4			30.27	80	79	77	78	"	"		4	"
Mid.	3	9	38.5	"	"	4			30.26	80	79	77	78	"	"		3	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Tuesday, November 13th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Gentle to moderate E.S.E. & light breeze. Barometer falling. Moonlight. Ship rolling 6 per min. 18° port and 16° stbd. Under gib and all square sails and fore weather clew of mainsail, on course N. 78° W. (P.S.C.) Log 0.5. 6 at end of watch.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Ceasing shower last hour. Moderate breeze from E. & S. Barometer rising slowly. Ship rolling 6 per minute to following sea, 18° to stbd. 16° to port. Under gib and all square sails to royals except mainsail. At 5.00 hauled up fore clew of mainsail, hoisted smoke pipe, and lighted fires in C Boiler for distilling purposes. At 6.00 sent apprentices of watch over masthead. On course N. 78° W. (P.S.C.) 9 E. and 7 H.

Rue Threadgill
Ensign, USN

8 A.M. to Meridian.

Fair and warm. Moderate breeze from S.E. to S.S.E. by E. Steering sea N. 78° W. under gib and square sail to royals except mainsail. Started distilling at 11:30. Went to quarters at 9:30. Occupied both morning drill periods in organizing battalion for landing, and then battalion drill. Max. roll 16° each side, 6 per minute. C.J. Egler, a.s.c., released from confinement by order of Comdg. Officer. Punishments awarded by Comdg. Officer:- C.J. Egler, a.s.c. having property of another in his possession and lying, 5 days solitary confinement on bread and water; R.T. Evans, C.C. U.S., refusing to obey orders, 10 hrs. extra duty; G.J. Lancaster a.s.c., smoking, 5 hrs. extra duty; J.H. McCaffrey, a.s.c., smoking, 4 hrs. extra duty; J.H. McCaghey, a.s.c., using abusive language to Master at Arms, 5 hrs. extra duty; C. Crawford, a.s.c., lying, 10 hrs. extra duty, keeping wood work. At 12:00 course changed to N. 71° W.

E.L. Beach Lieutenant, USN.

Meridian to 4 P.M.

Clear and fine. Gentle to moderate breeze from S.S.E. Barometer about steady. On course N. 71° W. under gib and square sail to royals except mainsail. Exercised as per routine from 1:30 to 2:15. 4th Div. had extra signal instruction from 2:15 to 2:45. 4th Div. exercised at falling office from 3 to 3:30. Issuing clothing and small stores. Ship rolling 15° each side, 6 times a minute. Acting Appointments of Fritz Bornheuser, Cox., and E.W. Whitehead, Cox., renewed for six months.

J.R. Baldwin Lieutenant, USN.

4 to 6 P.M.

Clear and pleasant. Gentle to moderate breeze from S.S.E. On course N. 71° W. under gib and square sail except mainsail. At 4:30 went to quarters for muster. Exercised all hands at shifting topsails until 5:00. Barometer rising. Ship rolling to following sea, 6 times per minute. May roll 16° to port and 16° to stbd. Distilling.

Lieutenant, USN.

6 to 8 P.M.

Fair and pleasant. Moderate S.S.E. breeze. Barometer rising. Ship rolling 16° each side to following swell, 6 per min. Distilling. 4th division exercised at signalling with hand lanterns from 7 to 7:30. Under sail as on previous watch, on course N. 71° W. (P.S.C.) log 12 at end of watch.

Ralph Earle,
Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Moderate breeze from S.S.E. Barometer falling. On course N. 71° W. (P.S.C.) Ship rolling 6 per minute, 20° to stbd, 18° to port, in following sea. Under same sail as on previous watch. Distilling.

Rue Threadgill
Ensign, USN.

Examined and found to be correct.

F.F. Kerfoot.
Lieutenant, U.S.N. Navigator.

4—268

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	5	43.0	N. 71° W.	E.S.E.	4			30.25	81	78	77	78	bc	Cu-s		3	Ld.
2	4	0	47.0	"	"	4			30.28	80	78	76	78	"	"		4	"
3	4	8	51.8	"	"	4			30.26	80	78	75	78	"	"		3	"
4	5	4	57.2	"	"	4			30.30	80	78	75	78	"	"		4	"
5	5	1	62.3	"	"	4			30.28	80	78	75	78	"	Cu.		3	"
6	4	9	67.2	"	"	4			30.26	80	78	76	78	"	"		3	"
7	4	5	71.7	"	"	4			3026	80	78	76	78	"	"		4	"
8	4	8	76.5	"	"	4			30.28	80	79	76	78	"	"		5	"
9	4	6	81.1	"	"	4			30.30	80	79	76	78	"	"		4	"
10	4	5	85.6	"	"	4			3030	80	81	77	78	"	Cu-Cu		3	"
11	4	9	90.4	"	"	4			30.30	81	81	77	78	"	"		4	"
Noon.	5	0	95.4	"	"	4			3030	81	81	78	78	"	"		7	"

Position at 8 A. M.: Latitude by D.R. 19° 38' 06" N. Mag. Temp.
Longitude by Obs. 37° 44' 45" W. For. Aft
Position at noon: Latitude by observation 19° 45' 10" N. 77-75 78-76
Longitude by observation 38° 00' 00" W.
Latitude by D. R. 19° 37' 46" N.
Longitude by D. R. 37° 58' 59" W.
Course made good since preceding noon: N. 88° W.
Distance made good since preceding noon: 103. miles.
Distance by Log since preceding noon: 103.4 miles.
Current per hour: 0.3 miles, set N. 7° W. true.
Position at 8 P. M.: Latitude by D.R. 19° 41' 40" N.
Longitude by Obs. 38° 47' 35" W.
Variation of compass: 15° 35' W'ly
Error of compass observed at 4.26 P.M. 19° 54' "
Deviation of compass on N. 75° W. 4° 19' "
Water expended during the preceding 24 hours, 500 gallons.
Water distilled during the preceding 24 hours, 135-0 "
Water remaining on hand fit for use at noon, 1500 "
Coal consumed during the preceding 24 hours, 1 tons, 1840 lbs.
Coal remaining on hand at noon, 121 " 460 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0-10.	State of the Sea.
P. M.																		
1	4	7	100.1	N. 75° W.	E.S.E.	4-5			30.27	82	82	79	78	bcm	Cu-cu		2	Ld.
2	5	4	5.5	"	"	5			30.25	82	82	79	78				4	"
3	5	4	10.9	"	"	5			30.25	82	84	80	79	"	"		4	"
4	4	7	15.6	"	S.by.E.	4-5			30.26	82	80	70	79	"	S-Cu		4	"
5	4	4	20.0	"	"	4-5			30.26	80	82	77	77	"	"		5	"
6	4	6	24.6	"	"	4-5			30.29	80	80	77	70	"	"		6	"
7	5	0	29.6	"	"	4-5			30.32	81	79	77	77	"	S-Cu		7	"
8	5	2	34.8	"	"	5			30.32	81	79	76	77	"	"		7	"
9	5	2	40.0	"	E.S.E.	5			30.34	84	80	78	78	"	S-Cu		6	"
10	5	4	45.4	"	E.E.	5			30.33	22	80	78	79	"	"		7	"
11	5	9	51.3	"	S.by.E.	5			30.30	82	79	77	79	"	"		8	"
Mid.	5	7	57.0	"	"	5			30.30	82	78	77	79	"	"		8	"

under the command of Commander Richard H. Davenport, U. S. Navy,

Wednesday, November 14th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and pleasant. Moderate breeze from S.S.E. Moon rose from 12th from cloud bank. Steering N. 71° W. (var.). Ship under jib and square sail to royals except mainsail. Distilling. Main roll 3° each side, 6 per min.

E. H. Beach, Lieutenant, U.S.N.

4. to 8. P.M.

Fair and pleasant. Moderate breeze from E.S.E. On course N. 71° W. under jib and square sail to royals except mainsail. At 4.05 sent boys over the masthead. Ship rolling 6 times a minute, 3° each side.

F. R. Baldwin, Lieutenant, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Hazy. Moderate breeze from S.S.E. On course N. 71° W. under jib and all square sail except mainsail. Went to quarters for muster at 9.30. During last 4 hrs Drill Parade had routine drills. The Cornet, Officer imposed punishments as follows: Cpl. Kibbling and C.B. Armstrong, Ac. S.C., Washing before order was passed, 6 hrs. extra duty; 8 A.M. Duffy, a. S.C., making back cloth first to spank gaff, 4 hrs. extra duty; J. A. Hatfield, a. S.C., Fixing station at life buoy, 1½ hrs. extra duty; W. J. Adsit, a. S.C., Chewing tobacco at drill, 1 hr. extra duty. Barometer steady. Ship rolling 6 times per min. Main roll to stbd. 22° to port 20°. At 12.00 changed course to N. 75° W. (P.S.C.). Distilling.

Lieutenant, U.S.N.

Meridian to 4. P.M.

Fair and pleasant. Moderate to stiff S.S.E. by E. to S.E. by E. breeze. Barometer fell slightly. Ship rolling easily 6 per min., 18° each side. Held routine drills and guard. From 9 to 3.30 fourth division had gallery practice. Distilling. Finished issue of clothing and small stores. Under sail as in previous watch, on course N. 75° W. (P.S.C.). Log 15.6.

Ralph Earle, Ensign, U.S.N.

4. to 8. P.M.

Clear and pleasant. Misty around horizon. Moderate to stiff breeze from S.S.E. by E. Barometer rising. On course N. 75° W. (var.). Under jib and square sail to royals except mainsail. At 4.30 mustered at quarters, after which exercised at furling and reefing topsails and shifting forecast. Ship rolling 6 per minute to following sea, 18° each side. Distilling.

C. W. Hendricks, Ensign, U.S.N.

8. to 8. P.M.

Fair and pleasant. Moderate breeze from S.S.E. by E. Ship under jib and square sail to royals except mainsail. Distilling. Steering N. 75° W. Main roll 15° each side, 6 per minute. Chaplain lectured to apprentices of 4 to 8 watch. Exercised apprentices of 1st Division, port watch at night signals.

E. H. Beach, Lieutenant, U.S.N.

8. P.M. to Midnight.

Fair and pleasant. Fresh breeze from E.S.E., S.E., and S.E. by E. On course N. 75° W. (P.S.C.) under jib and square sail to royals except mainsail. Distilling. Ship rolling 6 times a minute, 18° each side. 16 feet.

F. R. Baldwin, Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Lucier, Lieutenant, U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

at Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Aby Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10=1.	State of the Sea.
A. M.																		
1	6	5	625	N. 75° W.	E. S. E.	5			30.30	81	79	76	78	hzn.	S. cu.		7	S.
2	5	1	67.6	"	"	4-5			30.30	81	79	76	78	"	"		7	"
3	4	4	72.0	"	"	4			30.28	81	79	76	78	"	"		6	"
4	3	1	75.1	"	"	3			30.28	81	79	75	78	ocm.	"		10	"
5	4	7	79.8	"	"	4			30.28	81	79	75	78	"	"		10	"
6	4	0	83.8	"	"	4			30.28	81	79	75	78	"	"		10	"
7	4	5	88.3	"	"	4			30.30	81	79	75	78	"	"		10	"
8	3	8	92.1	"	"	4			30.30	81	79	75	78	"	"		10	"
9	4	7	96.3	"	"	4			30.30	81	81	76	78	hzn.	"		9	"
10	3	9	100.2	"	"	3-4			30.34	82	82	77	79	"	"		8	"
11	3	8	4.0	"	"	3-4			30.30	80	81	77	79.5	"	"		7	"
Noon.	3	5	7.5	"	"	3			30.30	80	82	78	80	"	"		8	"

Position at 8 A. M. — Latitude by L&R. 19° 37' 40" N. Mag. Temp.
Longitude by Obs. 39° 55' 30" W. Sea Air
Position at noon: — Latitude by observation 19° 38' 41" N. 80-77 79-77
Longitude by observation 40° 10' 18" W.
Latitude by D. R. 19° 36' 40" N.
Longitude by D. R. 39° 59' 16" W.
Course made good since preceding noon: S. 87° W.
Distance made good since preceding noon: 122.7 miles.
Distance by Log since preceding noon: 112.1 miles.
Current per hour: 0.45 miles, set N. 75° W. true.
Position at 8 P. M. — Latitude by L&R. 19° 36' 41" N.
Longitude by L&R. 40° 49' 54" W.
Variation of compass:
Error of compass observed at
Deviation of compass on
} N. 0 E.
Water expended during the preceding 24 hours, 550 gallons.
Water distilled during the preceding 24 hours, 1250 "
Water remaining on hand fit for use at noon, 2200 "
Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.
Coal remaining on hand at noon, 140 " 650 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Aby Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10=1.	State of the Sea.
P. M.																		
1	4	6	12.1	N. 75° W.	N. by E.	4			30.25	80	79	77	79	hzn.	S. cu.		9	S.
2	5	1	17.2	"	E. S. E.	4			30.29	80	78	76	79	hzy.	"		9	"
3	5	0	22.2	"	"	4			30.29	80	78	76	79	ocgs.	"		10	"
4	4	6	26.8	"	"	4			30.29	80	78	76	79	"	"		10	"
5	4	3	30.1	"	East	4			30.25	80	79	76	79	hzn.	S. cu.		8	"
6	4	5	34.6	"	S. E. by E.	4			30.27	82	79	77	79	"	"		8	"
7	4	6	39.2	"	"	4			30.28	82	79	78	79	"	Fr. cu.		7	"
8	4	3	43.5	"	E. S. E.	4			30.34	82	78	76	79	"	"		7	"
9	4	4	47.9	"	"	3-4			30.34	81	78	76	79	"	"		3	"
10	3	8	51.7	"	"	3			30.33	81	78	76	79	"	"		4	"
11	4	8	56.5	"	"	3-4			30.30	79	76	75	79	hzgs.	cu. n.		8	"
Mid.	4	9	61.4	"	"	3-4			30.30	79	76	75	79	"	"		6	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Thursday, November 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and pleasant. Stiff to gentle breeze from E.S.E. On course N.75°W under jib and all square sail except mainsail. Ship rolling to following swell 6 times a min. Mast vibrating 1/2° to 1°. Barometer falling. Distilling.

W. L. Dashiell
Lieutenant, U.S.N.

4 to 8. A.M.

Overcast and cloudy. Gentle to moderate S.S.E. by E. breeze. Barometer rose slightly. Ship rolling 6 per min. 20° each side. At 5:00 mustered and sent apprentices over masthead. On course N.75°W. (P.S.C.) under same sail as previous watch. Log 92.1 at end of watch. Distilling.

Ralph Earle,
Ensign, U.S.N.

8. A.M. to Meridian.

Partly clear and misty. Moderate to gentle breeze from E.S.E. Barometer steady. Ship rolling to following sea, 6 per min. 22° mast roll on each side. On course N.75°W. (P.S.C.) throughout watch under jib and square sail to royals except mainsail. Distilling. At 9:30 sounded to General Quarters, divisions reporting as follows:- 4th and Powder 1 min., 2nd 1 1/4 min., 1st and Nav. 2 1/2 min., 3rd 3 min., 5th 3 1/2 min. All divisions secured in 5 minutes. Exercised as per routine and general. The Cmdg. Officer assigned following punishments:- G. F. Boyer, a.s.c., appropriating to his own use and having in his possession the clothing of another, 5 days solitary confinement on bread & water; M. J. Tobin, a.s.c., urinating over forecastle, 3 days C.B. on P&W; J. G. Clarke, a.s.c., spitting on gun deck while at drill, 1 hr. extra duty; G. F. Boyer, a. Thornette, Ldg. Yeoman, and C. J. Dench, a.s.c., asleep on lookout, 7 nights double mine. C.B. at end 7.5.

C. W. Thurman
Ensign, U.S.N.

Meridian to 4. P.M.

Overcast and cloudy. Squally between 2 & 3 with passing showers. Steering N.75°W gyro. Under jib and square sail to royals except mainsail. Continue drills from 1:30 to 2:15, then Ordnance instruction 5th Div., gallery target practice not division. Extreme roll 15° each side, 6 per minute. Distilling.

E. L. Beach
Lieutenant, U.S.N.

4. to 6. P.M.

Cloudy and pleasant. Moderate breeze from East and S.S.E. by E. On course N.75°W. under jib and square sail to royals except mainsail. At 4:30 mustered at quarters. Exercised at reefing topsails and foresail till 5:15. Ship rolling 6 times a minute, 17° each. 16° forward.

W. P. Baldwin
Lieutenant, U.S.N.

6. to 8. P.M.

Clear and fine. Hazy. Moderate breeze from S.S.E. by E. to E.S.E. On course N.75°W under jib and all square sail except mainsail. Ship rolling 6 times per min. Mast roll to each 15° to first 17°. Barometer rising. The 2nd Div. of the watch exercised in night signals. Distilling.

W. L. Dashiell
Lieutenant, U.S.N.

8. P.M. to Midnight

Generally fair and pleasant with rain third hour. Gentle to moderate E.S.E. by E. breeze. Ship rolling 6 per min. to following swell 15° each side. Distilling. Under jib and square sail save mainsail, on course N.75° W. (P.S.C.) Log 61.4 at end of watch.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lau
Lieutenant, U.S.N. Navigator.

4—966

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, as in 10's.	State of the Sea.
A. M.																		
1	3	6	650	N. 75° W.	E. by S.	3-4			30.31	80	77	75	79	os	Cu. N.		10	S.
2	3	1	68.1	"	"	3			30.32	80	77	75	79	os	"		7	"
3	4	4	72.5	"	"	4			30.31	80	77	75	79	"	"		7	"
4	5	4	77.9	"	"	4			30.27	80	76	75	79	"	"		8	"
5	4	8	82.7	"	"	4			30.27	80	77	75	79	hzy	Cu.		5	"
6	4	9	87.6	"	"	4			30.29	80	77	75	79	"	Cu. N.		5	"
7	4	0	91.6	"	"	4			30.29	80	77	75	79	hzy.	Cu. N.		7	"
8	4	7	96.3	"	"	4			30.27	80	79	76	79	os	Cu		7	"
9	4	7	1.0	"	East	4			30.28	81	80	77	79	hzy.	"		7	"
10	4	5	5.5	"	"	4			30.28	81	80	77	79	"	"		8	"
11	4	3	9.8	"	"	4			30.29	84	80	77	79	"	Cu.		7	"
Noon.	4	3	14.1	"	"	3			30.27	82	81	77	79	"	"		6	"

Position at 8 A. M. { Latitude by D.R. 19° 33' 53" N. Mag. Temp.
Longitude by Obs. 47° 51' 45" W. God Air.

Position at noon: { Latitude by observation 19° 32' 10" N. 81-80 77-75.
Longitude by observation 42° 11' 09" W.
Latitude by D. R. 19° 32' 53" N.
Longitude by D. R. 42° 05' 80" W.

Course made good since preceding noon: S. 87° W.

Distance made good since preceding noon: 114. miles.

Distance by Log since preceding noon: 106.6. miles.

Current per hour: 0.22 miles, set S. 83° W. true.

Position at 8 P. M. { Latitude by D.R. 19° 30' 28" N.
Longitude by Obs. 42° 47' 36" W.

Variation of compass: 13° 20' W'ly

Error of compass observed at 4:45 P.M. 15° 20' "

Deviation of compass on N. 75° W 5° 00' "

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 640 lbs.

Coal remaining on hand at noon, 118 " 2230 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, as in 10's.	State of the Sea.
P. M.																		
1	3	8	17.9	N. 75° W.	East	3-4			30.24	80	83	81	80	hz.	Ci-Cu		7	S.
2	3	9	21.8	"	"	3-4			30.23	80	86	81	80				6	"
3	3	9	25.7	"	"	3-4			30.21	80	85	79	80	"	"		7	"
4	4	1	29.8	"	"	4			30.21	80	83	79	80	"	"		7	"
5	4	1	33.9	"	"	4			30.21	80	80	76	80	"	"		6	"
6	4	7	38.6	"	"	4			30.23	80	79	76	80	"	"		4	"
7	4	4	43.0	"	"	3-4			30.25	80	78	76	80	"	"		5	"
8	4	5	47.5	"	"	3-4			30.25	81	78	76	80	"	"		2	"
9	4	4	51.6	"	"	4			30.26	80	78	76	79	"	Cu. N.		3	"
10	3	9	55.5	"	"	3-4			30.27	80	78	76	79	hzy.	"		4	"
11	3	6	59.2	"	"	3-4			30.27	80	78	76	79	os	Cu-N		4	"
Mid.	4	1	63.3	"	"	3-4			30.25	80	78	76	79	hzy.	"		4	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Friday, November 16th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Partly clear and pleasant. Light passing showers. Moderate breeze from E.S.E. Barometer steady. Ship rolling 6 per min. to following swell, 15° each side. On course N. 75° W. (P.S.C.) 19 under jib and square sail & royals and mainsail. Distilling.

R. Davidson
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Moderate breeze from E.S.E. Passing showers at 6.30. Steering per N. 75° W. Under jib, square sail & royals except mainsail. Distilling until 6.30 when stopped, allowing free under distilling boilers to die out. Max. roll 15° 6 per min. Sent apprentices over mastheads at 5.00.

E. L. Beach Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to moderate breeze from East. On course N. 75° W. under jib and square sail & royals except mainsail. At 9.00 lowered smoke stack and lowered mainsail. At 9.30 mustered at quarters and exercised at setting up. At 9.40 sounded call to Fire Quarters. Divisions reported:- 4 the 11/12 min., 3rd 9/12 min., 2nd 1 min., 1st 1 min., 3rd 11/12 min., 5 the 1 3/12 min., Rear 1 min. At 9.45 sounded Commence call and at 9.46 1/2 abandon ship. Boats reported:- 1st Launch 1 min., 2nd Cutter 1 min., 1st 1 1/4 Gig 1 1/2, W. Boat 1 1/2, Steamer 1 3/4, 3rd Gig 2 min., Gunging 4 the Cutter 3 min. Secured in 4 min. Overhauled boat bowls. At 10.00 sounded Away Gunging Quarter Boat No. 1 1/4, No. 2 1 min., W. B. 1 1/2, 3rd C. 1 1/4 min., 4 the C. 1 min., Secured in 3 min. Commodore call awarded by the Captain:- 3 Gunners (P.S.C.) 1 Year extra duty for being below in berth's clean during inspection. Mr. R. H. Stark (P.S.C.) 6 Two extra duty for being untidy and indifferent at drill. A. Connelly (P.S.C.) 5 Eight double nine for direct disobedience of the order of the O.M. of the W. Ship rolling 10 following sea, 6 times a min. 14 per 16° each.

H. L. Baldwin Lieutenant, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle to moderate breeze from East. On course N. 75° W. under jib and all square sail except mainsail. At 1.40 all gun divisions went to quarters to embark battery. Re-ve-ve. Landing practice from 2.15 to 3 P.M. Ship rolling 10 times per min. Max. roll 15° to port 15°. Barometer falling. The magazine flood and drainer locks were tested and found in good condition except drain cock of torpedo room which has a broken handle.

W. P. Wilson
Lieutenant, U.S.N.

4 to 6 P.M.

Fair and pleasant. Moderate East by breeze. Barometer rose slightly. Ship rolling 10° each side, 6 per min. At 4.30 mustered at quarters. Held sail drill till 5.10, and shifted topsails and mainsail, then made sail as before. At end of watch under jib, all square sail save mainsail, on course N. 75° W. (P.S.C.) Log 95.6

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant. Moderate breeze from East. Barometer rising. Ship rolling 6 per min. 18° each side. On course N. 75° W. (P.S.C.) and under jib and square sail & royals except mainsail. At 7.00 Apprentices of watch of 8 the Division exercised 11 in use of night signals. At 8.00 confirmed A. Connelly (P.S.C.) 5 in double nine for the night as per punishment assigned. O.L. at 47.0.

R. W. Bradenbaugh
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast and cloudy. Gentle to moderate breeze from East. Passing showers at 10.00 & 11.00. Steering N. 75° W. per S. Ship under jib and square sail & royals and mainsail. Extreme roll 15° each side, 6 per min.

E. L. Beach Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieutenant, U.S.N. Navigator.

4—956

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	0	63.7	N. 75° W.	East.	3-4			30.23	80	77	76	79	bcu.	S-Cu		7	2
2	3	6	70.9	"	"	3-4			30.21	80	77	76	79				8	
3	5	0	75.9	"	"	3-4			30.18	80	77	76	79	"	"	"	8	"
4	4	1	80.0	"	"	3-4			30.18	80	77	76	79	"	"	"	6	"
5	4	9	84.9	"	"	4			30.16	80	78	75	79	"	"	"	5	"
6	4	0	89.9	"	"	4			30.16	80	78	75	79	"	"	"	5	"
7	4	1	94.0	"	"	4			30.16	80	78	75	79	bcu.	"	"	5	"
8	4	2	98.6	"	"	4			30.19	80	79	75	79	"	"	"	5	"
9	4	6	2.8	"	"	4			30.23	80	79	76	79	bc.	Cu		5	"
10	3	8	6.6	"	"	3-4			30.24	81	79	77	79	"	Cu-Cu		5	"
11	3	4	10.4	"	"	3			30.25	79	82	78	79	"	"		5	"
Noon.	3	9	14.1	"	"	3			30.25	80	83	79	80	"	"		4	"

Position at 8 A. M.	Latitude by DR.	19° 30' 28" N.	Mag. Sun
	Longitude by Obs.	43° 41' 30" W.	Sun Alt.
Position at noon:	Latitude by observation	19° 27' 22" N.	82-81 80 2 79
	Longitude by observation	43° 57' 54" W.	
	Latitude by D. R.	19° 27' 04" N.	
	Longitude by D. R.	43° 55' 57" W.	
Course made good since preceding noon:		S. 87° W.	
Distance made good since preceding noon:		100.4 miles.	
Distance by Log since preceding noon:		107 miles.	
Current per hour: 0.1 miles, set West true.			
Position at 8 P. M.	Latitude by DR.	19° 25' 40" N.	
	Longitude by Obs.	44° 31' 45" W.	
Variation of compass:		12° 15' W'ly	
Error of compass observed at 4.27 PM.		17° 54' "	
Deviation of compass on N. 75° W.		5° 39' "	
Water expended during the preceding 24 hours,		56-0 gallons.	
Water during the preceding 24 hours,		— "	
Water remaining on hand fit for use at noon,		2150 "	
Coal consumed during the preceding 24 hours,		tons, 100 lbs.	
Coal remaining on hand at noon,		118 " 1130 "	

P. M.																		
1	3	5	17.6	N. 75° W.	E by N.	3			30.28	80	85	81	80	bc.	Cu.		4	2
2	3	6	21.2	"	"	3			30.27	81	86	81	80	"	"		4	"
3	3	7	24.9	"	"	3			30.25	81	86	81	80	"	"		4	"
4	3	9	28.8	"	"	3			30.24	81	83	79	80	"	"		3	"
5	4	1	32.9	"	"	3-4			30.18	81	79	77	79	"	"		3	"
6	3	9	36.8	"	"	3-4			30.18	81	79	77	79	"	"		3	"
7	4	3	41.4	"	"	3-4			30.17	81	79	76	79	"	"		4	"
8	4	4	45.8	"	"	4			30.17	81	79	76	79	"	Cu-n		6	"
9	3	8	49.3	"	"	3-4			30.19	81	79	76	79	"	Cu		1	"
10	3	4	52.7	"	"	3-4			30.20	82	78	76	79	"	"		1	"
11	3	7	56.4	"	"	3-4			30.21	81	78	76	79	bc	"		0	"
Mid.	3	6	60.0	"	East	3-4			30.20	80	77	77	79	bcu	Cu-n		1	"

under the command of Commander Richard G. Davenport, U. S. Navy,

Saturday, November 17th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Fair and pleasant Gentle to moderate breeze from East. Barometer falling. On course N. 75° W. under gib and all square sail except mainsail. Moon came out from behind clouds at 3.00. Ship rolling 6 times a minute. Max. 18° each side.

F. F. Baldwin, Lieutenant, U.S.N.

4 to 8 A.M.

Overcast and showery at end of watch. Moderate breeze from East. On course N. 75° W. (P.S.C.) under gib and all square sail to royals except mainsail. At daybreak sighted bark on starboard beam heading to W.N., that displayed Danish Man-of-War flag. Hoisted our colors. At 5.00 sent apprentices over masthead. Barometer steady. Ship rolling 7 quarters 6 times per min. Max. roll to Starboard 18°, to port 20°.

F. F. Baldwin, Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and pleasant Gentle and moderate East by S. breeze. Barometer rising. Ship rolling 6 per min. 18° each side. At 10.50 went to quarters and inspected bedding. The Comdg. Officer assigned following punishment:- A. Kelly, Coxswain, fucking an apprentice in the stomach, and Close. Set lee clew mainsail at 11.50. Hoisted gunboat pennant ahead. Bound to W.S.W. Under gib and square sail save lee clew of mainsail, on course N. 75° W. (P.S.C.) Log 14.1 at end of watch.

Frank Earle, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Gentle breeze from S by W. Barometer falling. On course N. 75° W. (P.S.C.) and under gib and square sail to royals except weather clew of mainsail. Ship rolling 6 per minute 18° each side. Hoisted gunboat pennant on foremast.

Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle to moderate breeze from E by N. Steering N. 75° W. gave under gib and square sail to royals except weather clew of mainsail. Went to quarters at 4.30. Rolling, max. 10°, 6 per min.

E. A. Ruehl, Lieutenant, U.S.N.

6 to 8 P.M.

Clear and fine. Gentle to moderate breeze from E by N. On course N. 75° W. under gib and all square sail except weather clew of mainsail. Ship rolling 6 times a min. 14° each side. Confined A. Cruelly, C.C.C., for the night in accordance with punishment.

F. F. Baldwin, Lieutenant, U.S.N.

8 P.M. to Midnight.

Clear and fine. Gentle to moderate breeze from E by N. to East. On course N. 75° W. under gib and all square sail except weather clew of mainsail. A light shower fell at end of watch from clear sky. Barometer rising slowly. Ship rolling 6 times a min. Max. roll to Starboard 18°, to port 19°. Took in lee clew of mainsail at 12.30.

F. F. Baldwin, Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leuffer, Lieutenant, U.S.N., Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	3	3	63.3	N 75° W.	East	3			30.17	80	78	75	79	bcmw	cu m		4	S.
2	3	6	66.9	"	"	3			30.14	80	77	75	79	"	"		3	"
3	4	0	70.9	"	"	3-4			30.12	80	78	75	79	"	"		3	"
4	4	3	75.2	"	"	4			30.12	80	78	75	79	bc	cu cu		4	"
5	4	2	79.4	"	"	4			30.14	80	79	75	79	"	"		4	"
6	3	7	83.1	"	"	4			30.15	80	79	75	79	"	"		4	"
7	3	5	86.6	"	"	4			30.18	80	79	75	79	"	"		4	"
8	4	2	90.8	"	"	4			30.19	80	79	75	79	"	"		4	"
9	4	1	94.9	"	"	4			30.20	80	81	79	80	"	"		4	"
10	4	1	99.0	"	"	4			30.20	80	81	79	80	"	"		3	"
11	4	7	3.7	"	"	4			30.21	80	82	80	81	"	"		4	"
Noon.	5	4	9.1	"	"	4			30.19	80	83	79	81	"	"		4	"

Position at 8 A. M. { Latitude by DR. 19° 23' 16" N. Mag Temp
Longitude by Obs. 45° 30' 15" W. Fwd Aft.

Position at noon: { Latitude by observation 19° 26' 00" N.
Longitude by observation 45° 46' 03" W.
Latitude by D. R. 19° 22' 16" N.
Longitude by D. R. 45° 37' 08" W.

Course made good since preceding noon: S. 89° W.

Distance made good since preceding noon: 102.3 miles.

Distance by Log since preceding noon: 95.0 miles.

Current per hour: 0.4 miles, set S 66° W. true.

Position at 8 P. M. { Latitude by DR. 19° 24' 18" N.
Longitude by Obs. 46° 22' 42" W.

Variation of compass: 11° 00' W'ly.

Error of compass observed at 4:25 P.M. 16° 51' "

Deviation of compass on N. 76° W. 5° 51' "

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 5700 lbs.

Coal remaining on hand at noon, 118 " 600 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	3	9	13.0	N 76° W.	East	3			30.16	80	84	79	81	bc	cu		4	S.
2	3	7	16.7	"	"	3			30.15	80	82	79	81	"	"		6	"
3	4	0	20.7	"	"	3			30.13	80	79	79	81	"	"		4	"
4	4	0	24.7	"	"	3			30.13	80	78	77	81	"	"		5	"
5	4	4	29.1	"	E by N.	3-4			30.15	80	79	77	80	"	cu m		4	"
6	4	3	33.4	"	"	4			30.18	80	78	77	80	"	"		5	"
7	4	5	37.9	"	"	4			30.19	81	78	77	80	"	ci		2	"
8	4	3	42.2	"	"	4			30.19	82	78	77	80	bcsq	cu m		7	"
9	3	8	46.0	"	"	3-4			30.20	81	77	75	80	bcsq	"		5	"
10	4	0	50.0	"	"	4			30.20	81	77	75	80	"	"		4	"
11	3	8	53.8	"	"	3-4			30.20	81	77	75	80	bc	"		5	"
Mid.	3	6	57.4	"	"	3-4			30.18	80	77	75	80	"	"		3	"

4—2.6

under the command of Commander Richard P. Davenport, U. S. Navy,

Sunday, November 18th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Fair and pleasant. Gentle to moderate East & Easterly Breezes. Barometer falling. Morning rose at 9.15 A.M. Ship rolling 6 per min. 12° each side. Set Regular manoeuvre at 9.45 A.M. and of watch under gib and all square sail except weather clew of mainsail, on course N. 75° W. (true) Log 75.2.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and warm. Moderate Breeze from East. Barometer rising. Ship rolling slightly to following swell. On course N. 75° W. (M.C.) and under gib, and square sail to royals save weather clew of mainsail. At 5.30 sent apprentices of watch port watch and released A. Connelly, Cox. U.S.N., as per punishment assigned.

Ensign, U.S.N.

8 A.M. to Meridian.

Warm and pleasant. Moderate Breeze from East. Steering gear N. 75° W. under gib and square sail & royals except weather clew mainsail. Went to quarters at 9.30. Had General Muster. A. Barnett (Sea) absent. Ship inspected by Cmdg. Officer. Held divine service. At 11 course changed to N. 76° W. per S.E. 9°. Rolling easily, 9° max. 6 per min.

E. Beach. Lieutenant, U.S.N.

Meridian to 4 P.M.

Clear and fine. Gentle breeze from East. On course N. 76° W. under gib and all square sail except weather clew of mainsail. Hauled up lee clew of mainsail from 1.30 to 2.00. Ship rolling 6 times a minute, 9° each side. Several light rain squalls passed to the Southd.

P. Holdeni Lieutenant, U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle to moderate breezes from E. by N. On course N. 76° W. under gib and all square sail except weather clew of mainsail. Braced up fore & aft sails slightly, and set flying gib, during a short shift of breeze to E.N.E. quarter. Barometer rising. At 4.30 went to quarters for muster. Ships steady.

Lieutenant, U.S.N.

6 to 8 P.M.

Fair and pleasant with light rain squalls. Moderate E. by N. to E. by S. breezes. Barometer steady. Ship rolling 6 times 15° each side, 6 per min. At 7.30 released A. Connelly, Cox. U.S.N., in conformity with punishment assigned. Under sail as per preceding watch, on course N. 76° W. (M.C.) Log 151 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Partly clear with passing showers. Gentle to moderate breeze from E. by N. Barometer steady. Ship rolling slightly to following sea. On course N. 76° W. (M.C.) under same sail as per former watch.

Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N.
Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	4	0	61.4	N 76° W.	East	4			30.17	82	77	76	78	bcfs.	cu. n.		6	Ch.
2	3	3	64.7	"	ENE.	3			30.16	82	77	76	80	"	"		4	"
3	3	3	68.0	"	Eby N.	3			30.16	82	77	76	80	bc.	a. cu.		4	"
4	4	0	72.0	"	ENE.	3-4			30.14	82	77	76	80	bcfs.			3	"
5	3	4	75.4	"		3			30.12	81	77	76	80	"	"		5	"
6	3	4	78.8	"	"	3			30.12	81	77	76	80	"	"		5	"
7	3	0	81.6	"	"	3			30.14	81	77	76	80	bc.	cu.		3	"
By Chgd 8	4	1	83.3	"	Eby S.	2-3			30.16	81	79	76	80	"	"		2	"
9	4	8	86.1	"	Eby N.	3			30.19	80	81	76	80	"	"		3	"
10	4	8	88.9	"	East	3			30.20	80	83	79	80	"	a. cu.		3	"
By Chgd 11	4	5	91.1	"	ESE.	3			30.19	82	84	80	80	"	"		5	"
Noon.	3	1	94.2	"	Sby E.	3			30.18	83	84	80	81	"	"		5	"

Position at 8 A. M. { Latitude by DR. 19° 22' 12" N. Mag. Temp
Longitude by Obs. 47° 13' 45" W. Sun Air
Position at noon: { Latitude by observation 19° 21' 27" N. 82-81 80-79
Longitude by observation 47° 25' 09" W.
Latitude by D. R. 19° 21' 36" N.
Longitude by D. R. 47° 13' 15" W.

Course made good since preceding noon: S. 87° W
Distance made good since preceding noon: 94 miles.
Distance by Log since preceding noon: 85.1 miles.
Current per hour: 0.4 miles, set West true.

Position at 8 P. M. { Latitude by DR. 19° 20' 51" N.
Longitude by Obs. 47° 48' 12" W.

Variation of compass: 9° 50' W'ly.
Error of compass observed at 4:35 P.M. 15° 59' "
Deviation of compass on N. 76° W. 6° 09' "
Water expended during the preceding 24 hours, 550 gallons.
Water during the preceding 24 hours, — "
Water remaining on hand fit for use at noon, 1050 "
Coal consumed during the preceding 24 hours, tons, 500 lbs.
Coal remaining on hand at noon, 118 " 180 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	4	6	96.8	N 76° W.	ESE.	3			30.15	80	84	79	81	bc.	a. cu. n.		4	Ch.
2	4	3	99.1	"	"	3			30.13	80	84	79	81	"	"		5	"
3	3	0	2.1	"	"	3-4			30.12	80	84	79	80	bcfs.	a. cu. n.		7	"
4	1	9	4.0	"	"	3			30.12	80	86	80	80	bc.	cu.		4	"
By Chgd 5	1	5	5.0	"	"	2			30.12	80	82	78	80	"	cu.		3	"
6	1	5	6.5	"	"	2			30.14	81	80	78	80	"	"		6	"
By Chgd 7	2	5	8.1	"	"	2-3			30.16	81	79	78	80	"	cu. n.		5	"
8	2	0	9.7	"	"	2			30.17	81	79	78	80	"	"		4	"
By Chgd 9	4	5	11.3	"	"	3			30.21	81	79	78	80	"	"		5	"
" 10	2	6	13.7	"	"	3			30.21	81	79	77	80	"	"		4	"
11	2	7	16.4	"	"	3			30.18	81	79	77	80	"	"		3	"
Mid.	1	8	18.2	"	"	3			30.18	81	79	77	80	"	"		2	"

under the command of Commander Richard G Davenport, U. S. Navy,

Monday, November 19th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 A.M.

Fair and pleasant. Moderate to gentle breeze from East to E.N.E. Steering N. 76° W. Sec under jib and square sail to royals except weather clew mainsail. Ship rolled 15° 6 per min.

E. L. Beach Lieutenant, U.S.N.

4 to 8 A.M.

Fair and pleasant. Light rain squalls passed over at 5:30. Light to gentle breeze from E.N.E. to E by S. On course N. 76° W. under jib and square sail to royals except weather clew of mainsail. Rounded up weather clew at 7:30. At 5:00 sent apprentices over the masthead, and relieved A. Connelly (Q.M. 3 c.) as per punishment assigned. Ship rolling 6 times a min. 8° each side.

H. R. Baldwin Lieutenant, U.S.N.

8 A.M. to Meridian.

Fine and warm. Gentle breeze from E by N. to S.E. by E. On course N. 76° W. under jib and square sail except mainsail. At 9:30 went to quarters for muster. During last 4 had Drill Parade. Had routine duties. The Cmdg. Officer imposed punishments as follows:- A. W. Fullman, a.s.c., cleaning quarter deck square with hand pump and mess kit, 6 hrs. extra duty; J. Rachlis, O.S. McElhinn, and T. Tierney, as.s.c., Smoking at fire extra duty; A. J. Kane and J. H. Worrell, as.s.c., continually shirking bright work, 6 hrs. extra duty; A. T. Finis, C.C. 4 c. and M. McCarty, C.C. 4 c., disobeying the orders of Commissary Gunner, 3 nights double mess; S. Gomanek, a.s.c., creating disturbance at quarters, 6 hrs extra duty; H. A. Flood, a.s.c., continued disobedience of orders, 3 days, S.C. on P.W.; J. B. James, Gun. 3 c., carelessly breaking canton globe, 4 hrs. extra duty. Barometer steady. Ship steady. Acting appointment of J. B. James, Gun. 3 c., renewed for six months.

Lieutenant, U.S.N.

Meridian to 4 P.M.

Fair and pleasant with rain squall and heavy gusts. Gentle E.S.E. breeze. Barometer falling. Ship steady. 2nd drill period superseded as routine. From 2:15 to 2:50, 2nd division was instructed in signals, and 5th in ordnance. 4th division had practice with gallery rifle from 3:00 to 3:45. At 1:20 furled mainsail, and hoisted embroidered. At 2:10 lighted fires under boiler "D" for distilling. Under jib and square sail save mainsail, on course N. 76° W. (P.S.C.) by #0 at end of watch.

Joseph Earle, Ensign, U.S.N.

4 to 6 P.M.

Clear and warm. Light breeze from E.S.E. Barometer rising. On course N. 76° W. (P.S.C.) under jib and square sail to royals save mainsail. Fire under D boiler for distilling. At 4:30 mustered at quarters and exercised at shifting tillers.

R. W. Henderson, Ensign, U.S.N.

6 to 8 P.M.

Warm and pleasant. Light to gentle breeze from E.S.E. Steering Sec. N. 76° W. Under jib and square sail except mainsail. Fires under boiler D. Started distilling at 7:00. Exercised at watch set. Hoisted night signals at dusk. Roll 6°, 6 per min.

E. L. Beach Lieutenant, U.S.N.

8 P.M. to Midnight.

Clear and fine. Gentle breeze from E.S.E. On course N. 76° W. under jib and square sail to royals except mainsail. Ship rolling 6 times a minute, 7° each side.

H. R. Baldwin Lieutenant, U.S.N.

Examined and found to be correct.

C. F. Lenpin
Lieut, U.S.N. Navigator.

4—956

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At Sea, Making Passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	4	0	20.4	N.76°W	ESE	3-4			30.16	81	79	77	80	bc.	cu-m		4	2
2	3	0	23.4	"	"	3			30.16	80	79	77	80	bc-cu	"		5	"
3	3	0	26.4	"	"	3			30.13	80	78	76	80	bc.	"		4	"
4	3	3	29.5	"	"	3			30.12	80	78	76	80	"	"		3	"
5	3	3	32.8	"	"	3			30.12	80	78	76	80	"	cu-cu		3	"
6	3	1	35.9	"	"	3			30.14	80	78	76	80	"	"		3	"
7	3	5	39.4	"	"	3			30.15	80	79	77	80	"	cu.		4	"
8	3	4	42.8	"	"	3			30.16	80	80	77	80	"	"		4	"
9	4	2	47.0	"	"	3-4			30.16	80	81	78	80	"	"		6	"
10	4	0	51.0	"	South	3			30.16	80	81	79	80	"	"		8	"
11	4	4	55.4	"	"	3			30.16	80	81	79	80	"	cu-m		9	"
Noon.	4	2	59.6	"	"	3			30.12	80	81	79	80	"	cu-cu		9	"

Position at 8 A. M.: Latitude by D.R. 19°19'37" N. (Mag. Time)
Longitude by Obs. 48°24'45" W. (Ch. Time) (Apr.)

Position at noon: Latitude by observation 19°18'33" N. 81-80 80-78
Longitude by observation 48°42'33" W
Latitude by D. R. 19°19'03" N.
Longitude by D. R. 47°36'48" W

Course made good since preceding noon: S 88° W.
Distance made good since preceding noon: 73.3 miles.
Distance by Log since preceding noon: 68.3 miles.
Current per hour: 0.23 miles, set S. 75° W. true.

Position at 8 P. M.: Latitude by D.R. 19°17'51" N.
Longitude by D.R. 49°04'39" W.

Variation of compass: 9°20' W'ly
Error of compass observed at 8:19 A.M. 25°23' "
Deviation of compass on N.76°W. 5°03' "
Water expended during the preceding 24 hours, 550 gallons.
Water Distilled during the preceding 24 hours, 500 "
Water remaining on hand fit for use at noon, 1000 "
Coal consumed during the preceding 24 hours, 1 tons, 1166 lbs.
Coal remaining on hand at noon, 116 " 510 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	3	5	63.7	N.77°W.	SSE	3-4			30.11	80	81	78	80	bcm.	cu-cu		8	2
2	3	5	66.9	"	South	3-4			30.09	81	82	78	80	"	"		8	"
3	3	0	69.9	"	SSW	3			30.07	81	81	77	80	bcg.	cu-m		8	"
4	3	2	73.1	"	"	3-4			30.05	81	81	77	80	bc.	cu-cu		7	"
5	4	4	77.5	"	"	3			30.07	80	80	78	80	"	"		7	"
6	1	5	79.5	"	"	2			30.09	80	81	78	80	bcl.	cu-m		9	"
7	1	6	77.1	"	"	2			30.08	82	80	78	80	"	cu-m		9	"
8	4	0	79.1	"	"	2-3			30.10	82	79	78	79	ocapl	"		10	"
9	0	2	80.8	N.81°W.	SW by W.	2			30.12	82	79	77	79	ocbg.	cu-m		10	"
10	Noon Change		80.8	Way	Calm	0			30.12	82	78	78	80	bcl.	"		7	"
11	0	7	80.7	S.77°W.	SE	1-2			30.14	82	78	78	81	bcgl.	"		9	"
Mid.	0	4	-	"	"	1			30.14	82	78	78	81	"	"		9	"

4—2.5

under the command of Commander Richard P. Davenport, U. S. Navy,

Tuesday, November 20th, 1906.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine with showers at beginning of the watch. On course N. 76° W. (P.S.C.) under gib and all square sail except mainsail. Ship rolling to long S.E. swell, 6 times a min. Mod. roll 15° each side. Barometer falling. Distilling.

Lieutenant, U.S.N.

4 to 8 A.M.

Cloudy to fair and pleasant. Gentle to fresh breeze. Barometer rising. Moon rose at 4:51. Ship rolling 6 times a min. with mean of 15° each side. Distilling. At 5:00 mustered and sent apprentices over mainhead. At 5:00 relieved by Cromley, E.C. 2 C., from Mc Ewing, and R. T. Evans, E.C. 4 C., from confinement in accordance with punishment assigned. Under gib and all square sail save mainsail, on course N. 76° W. (P.S.C.) by 4:30 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy to fair and pleasant. Gentle breeze from South. Barometer steady. On course N. 76° W. (P.S.C.) and under fore topmast staysail and square sail except mainsail, having set fore topmast staysail at 9:00 and hauled down gib for purpose of working it. Ship rolling 6 to a min. 15° each side. Distilling. At 9:30 mustered at quarters and exercised at setting and furling sail. After which drilled as per routine. The Cmdg. Officer assigned the following punishments: - W. J. Drummond, Q.M.S.C., Shirking Evil Chaser 5, to fifty yards, a.s.c., to carry station as lookout and going to sleep on such, 12 hrs. extra duty; E. J. Mc Mahon, a.s.c., Leaving quarter bill signed without permission, 6 hrs. extra duty; J. B. Sheridan, a.s.c., refusing an extended forecastle from, for to pull an oar and during Evil Chaser 5 trials, 2 nights double mess; R. T. Evans, E.C. 4 C., insubordinate conduct and repeated disrespect to Ch. Q. M., confined in double irons to await trial by G.C.M. R. T. Evans was confined as per punishment assigned. At 1:00 changed course to N. 77° W. (P.S.C.). Part. log at end 59.6

Ensign, U.S.N.

Meridian to 4 P.M.

Warm and pleasant. Gentle breeze from S.S.W. Foggy all from N.W. Passing showers at 1:15. Steering N. 77° W. Under fore topmast staysail and square sail to regale except mainsail. Set main topsail and spanker, and hoisted flying gib at 1:00. Drilled as per routine from 1:30 to 3:15. Four instructed in the Hotchkiss, no signals, and 1st Div. had target practice with gallery rifle. Distilling. Long swell from S.E.

Lieutenant, U.S.N.

4 to 6 P.M.

Cloudy and threatening rain. Light, variable breeze. On course N. 77° W. under all sail except gib, main topmast staysail and mainsail. At 4:10 set gib. At 4:20 delivered to R. T. Evans (E.C. 4 C.) copy of specifications of charges preferred against him for trial by Summary Court Martial. At 4:30 mustered at quarters. Shifted topsails. At 5:15 took in spanker. Ship rolling irregularly 15° each side. Long swell from S.E.

Lieutenant, U.S.N.

6 to 8 P.M.

Cloudy and threatening. Heavy rain showers at end of watch. Light airs from S.S.W. On course N. 77° W. (per) under all plain sail except mainsail and spanker. At 7:30 took in and furled regale and flying gib. Confined A. Cromley, E.C. 2 C., and Mc Ewing, E.C. 4 C., in double irons for the night in accordance with punishment assigned. 2nd Div. of the watch received instruction in night signals for 30 min. Barometer rising. Long swell from S.E.

Lieutenant, U.S.N.

8 P.M. to Midnight.

Cloudy and raining. Lightning to N.E. Light variable airs and breezes, and calms. Barometer rising. Took in topsail at 10:20. Distilling. Ship rolling 6 per min., 17° each side. At 8:20 changed course to N. 81° W. (P.S.C.), making but little headway, and at 10:30 to N. 77° W. (P.S.C.). Part. log handed in after first hour. Under gib, fore topmast staysail, topgallant sails, regale and forecastle. Long swell from S.E.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Keeler,
Lieutenant, U.S.N. Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making Passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeways.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	Amount, eastern	State of the Sea.
A. M.																		
1	Moderate			Way	Calm	0			30.06	82	77	77	79	beg.	S.Cu.		7	Sm.
2	0	4		E by N	W by N	0-1			30.05	82	77	76	79	bad.	"		7	"
3	0	4		"	"	0-1			30.05	81	77	76	79	"	"		5	"
4	0	0		W.S.W.	N.W by W	0-1			30.05	80	77	76	79	"	"		3	"
5	0	0		W. ½ N.	"	0-1			30.05	80	77	76	80	bem.	"		5	"
6	0	5		"	"	0-1			30.05	81	77	76	80	"	"		7	"
7	1	4		N. 77° W.	E.S.E	1			30.05	81	77	76	80	bc.	Cu.		7	"
8	1	2		"	South	1			30.05	81	77	76	80	bcs.	a. Cu.		7	"
9	2	5	81.3	"	SSW	2-3			30.06	80	79	76	80	beg.	S.Cu.		8	"
10	3	0	88.8	N. 81° W.	"	2-3			30.06	80	78	76	79	"	"		8	"
11	1	5	84.2	"	"	2-3			30.08	80	80	76	80	bc.	Cu.		7	"
Noon.	2	0	85.8	N.W by W ½ W.	SW by W.	2-3			30.04	80	80	76	79	beg.	"		9	"

Position at 8 A. M.: Latitude by	DR	19° 16' 45" N.
Position at 8 A. M.: Longitude by	Obs.	49° 22' 30" W.
Position at noon: Latitude by observation		19° 31' 00" N.
Position at noon: Longitude by observation		49° 22' 45" W.
Position at noon: Latitude by D. R.		19° 16' 27" N.
Position at noon: Longitude by D. R.		49° 18' 27" W.
Course made good since preceding noon:		N. 72° W.
Distance made good since preceding noon:		40 miles.
Distance by Log since preceding noon:		35.2 miles.
Current per hour: 0.62 miles, set N. 16° W. true.		
Position at 8 P. M.: Latitude by	DR	19° 35' 00" N.
Position at 8 P. M.: Longitude by	Obs.	49° 41' 27" W.
Variation of compass:		8° 40' W'ly
Error of compass observed at 4.33 P.M.		14° 40' "
Deviation of compass on N. 70° W		6° 00' "
Water expended during the preceding 24 hours,		550 gallons.
Water distilled during the preceding 24 hours,		1750 "
Water remaining on hand fit for use at noon,		7200 "
Coal consumed during the preceding 24 hours,		1 tons, 1860 lbs.
Coal remaining on hand at noon,		114 " 890 "

Mag. Temp.	Fah.
Dry	82-80
Wet	80-79

P. M.																		
1	2	7	88.5	N.W by W ½ W	SW	2-3			30.03	80	81	77	79	bc.	S.Cu.		8	Sm.
2	2	6	91.1	"	"	2-3			30.00	80	81	77	79	"	"		7	"
3	2	7	93.8	"	"	2-3			30.00	80	81	77	79	"	"		5	"
4	3	7	97.5	W.N.W.	"	2-3			30.00	79	80	77	79	"	"		5	"
5	2	1	99.6	N.W by W.	SSW	2-3			30.00	79	80	77	79	"	a. Cu.		7	"
6	2	1	1.7	N.W by W.	"	2-3			30.02	79	79	76	79	"	"		7	"
7	0	5	2.2	Obj. E.	SW by W.	0-1			30.06	81	79	76	79	beg.	S.Cu.		8	"
8	1	2	-	SE by W.	W.S.W	0-2			30.06	81	77	76	79	calm	"		10	"
9	1	1	-	SW by S.	Calm	0			30.10	80	77	75	79	ocpl.	"		10	"
10	Moderate			way	"	0			30.12	80	76	75	79	"	"		10	"
11	"			"	"	0			30.12	81	76	75	79	beg.	"		10	"
Mid.	1	0	-	N. 77° W.	E.S.E.	1-2			30.12	81	76	75	79	"	"		10	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Wednesday, November 21st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast & hazy clear. Rainy first half. Calm to light airs from W & N. Barometer steady. Ship rolling 6 pts each side. Course N. 77° W. (Mag.) Discharge every four hours and bearing from ship's side. Remainder of watch. Unemployed. Furled t'gallant sails, and square sail & royals and sky sail masts and housed. At 6.45 set royals. At 7.30 flying gaff and spanker. Set huge over masthead at 8.00. Sighted fore & aft rig ship at 5.30 on starboard beam, heading to Wd. Distilling. Swell from N. E.

E. L. Beach. Lieutenant, U.S.N.

8 A.M. to Meridian.

Overcast with frequent passing showers. Light to gentle breeze from S.W. and W.N.W. Under all sail except main t'gallant staysail, mainsail and t'gallant. On course N. 81° W. till 11:00 after which furled and got under foot tack making N.W. by W. & W. Closed up royals, and hauled down flying gaff from 9:15 to 9:45 A.M. at 10:30 took in fore t'gallant and royals for squall to t'gallant sails. Set them again at 11:00. Mustered at quarters at 9:30 and exercised at sabre exercise. Drilled as per routine from 9:45 to 10:30 and from 10:45 to 11:30. Punishments awarded by the Captain: J. H. Jolly (A.B.) Disobedience of orders, 2 days solitary confinement on bread and water. C. J. Smith (A.B.) Disobeying orders of C. I. M., 3 hrs extra duty. Distilling. Fog bank to S.E.

E. E. Selden Lieutenant, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light airs to light breeze from S.W. Furled and got on foot tack and under all plain sail but mainsail and t'gallant, making course N.W. by W. ½ W. At 1.40 P.M. a S.S.W. to by R. T. Funk, S.C.H.C., on specific duty assigned by the Cavite Officer. At 2.55 the U.S.S.M. adjourned to await action of convening authority. Fire and fire drills during the afternoon. Ship rolling slightly to N.E. swell, 6 times a min. 15° to side. 7° to port. Barometer falling. Distilling.

Lieutenant, U.S.N.

4 P.M. to 6 P.M.

Cloudy and threatening. Light to gentle S.S.W. breeze. Barometer slightly falling. Ship rolling at times 7° each side to N.E. swell. Distilling. At 4.30 mustered at quarters. Exercised at shifting t'gails till 5.00. Steering full and by on port tack making N.W. by W. to N.W. ½ W. Under all sail save mainsail and main t'gmast staysail.

Ralph Earle, Ensign, U.S.N.

6 P.M. to 8 P.M.

Overcast, cloudy and rainy. Calm to light breeze from N.W. Barometer rising. Ship rolling 7° each side to N.E. by E. swell. Distilling. Course N. 77° W. (Mag.) Ship headed from Shg. S. to S.W. by S. (Mag.) with no steerage way first time. Took in spanker at 6.10, otherwise under same sail as on previous watch. Rain squalls occurring at the end of the watch.

Ensign, U.S.N.

8 P.M. to Midnight.

Overcast, cloudy and light rain. Calm as until 11:20 when light breeze from S.S.E. Moderate steerage way until 11:30 when hove ship on course N. 81° W. All square sail to royals except mainsail, and fore & aft sail except main t'gmast staysail and spanker set until 9:30 when cloud ship, light sails, hauled down flying gaff. Set all again, also spanker at 11:20. Distilling. Swell from N.E.

E. L. Beach. Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper, Lieutenant, U.S.N., Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, Average.	State of the Sea.
A. M.																		
1	3	1	19	N. 51° W.	SSW	3		Alt	30.10	81	79	78	80	ocd.	Cu-n		10	M.
2	3	3	25.2	"	SbyW	4		1	30.08	81	79	78	80	bcm.	"		7	"
3	3	5	31.7	N. 77° W.	"	4		1½	30.06	80	78	77	80	"	"		7	"
4	4	5	43.2	"	South.	4		1½	30.05	80	77	76	80	bc.	Cu.S.		4	"
5	3	8	52.0	"	"	3-4			30.01	79	75	76	79	"	S.Cu.N.		7	"
6	3	0	58.0	"	"	4			30.04	80	78	76	79	"	Cu.N.		5	"
7	3	3	63.3	"	"	4		1½	30.06	80	79	76	79	"	Cu.S.		7	"
8	3	7	27.0	"	SSW	4		1½	30.08	80	80	76	80	"	"		7	"
9	3	7	30.7	N. 72° W.	"	4			30.10	80	80	77	80	"	"		7	"
10	3	6	34.3	N. 80° W.	"	4		1	30.13	80	80	78	81	"	"		7	"
11	3	1	37.4	N. 75° W.	"	3		1	30.15	80	80	79	81	bcm.	Cu		8	Lg.
Noon.	4	0	41.4	N. 76° W.	"	4		1	30.17	82	84	79	81	"	"		7	"

Position at 8 A. M.: Latitude by DR. 19° 36' 00" N. Mag. Temp.
Longitude by Obs. 50° 24' 00" W. Dry 82°

Position at noon: Latitude by observation 19° 50' 00" N. 83-5 81-80.
Longitude by observation 50° 30' 40" W.
Latitude by D. R. 19° 38' 36" N.
Longitude by D. R. 50° 23' 18" W.

Course made good since preceding noon: N. 74° W.

Distance made good since preceding noon: 68.5 miles.

Distance by Log since preceding noon: 62.2 miles.

Current per hour: 0.55 miles, set N. 32° W. true.

Position at 8 P. M.: Latitude by DR. 19° 53' 30" N.
Longitude by Obs. 50° 59' 00" W.

Variation of compass:
Error of compass observed at } No obs.
Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 1890 lbs.

Coal remaining on hand at noon, 112 " 1240 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, Average.	State of the Sea.
P. M.																		
1	4	1	45.5	W. ½ N.	SbyW.	4-5		1	30.09	80	81	78	81	bc.	S.Cu.N.		9	Lg.
2	4	2	49.7	W. ¾ N.	"	4-5		1	30.07	79	81	78	80	"	"		9	"
3	3	9	53.6	West	South.	3-5		1	30.07	79	80	78	79	ocdg.	"		10	"
4	3	8	57.4	"	"	3-6		1	30.06	80	80	78	79	"	"		10	"
5	3	4	60.8	N. W. by W.	SSW	4		1	30.08	81	78	77	79	ocdg.	Cu.N.		10	"
" 6	2	0	62.4	N. W. ¾ W.	"	4		1	30.11	81	78	76	78	"	"		10	"
" 7	1	0	62.8	W. N. W. ½ W.	"	3		1	30.13	81	78	76	78	"	"		10	"
" 8	0	0	—	"	"	1		-	30.18	81	78	76	78	oc	"		10	"
" 9	0	5	—	W. N. W.	Calm.	0		1	30.18	81	78	76	78	"	"		10	"
" 10	0	6	—	West	SbyW.	0-1		1	30.15	81	78	76	78	"	"		10	"
" 11	1	0	—	W. N. W.	SW by W.	1		1	30.15	80	78	76	78	"	"		10	"
Mid.	1	3	—	"	S by E.	1		1	30.15	80	78	76	78	"	"		10	"

under the command of Commander Richard H. Davenport, U. S. Navy,

Thursday, November 22nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends H. A.M.

Cloudy and overcast. Gentle to moderate breeze from S.S.W. and S.by W. Under all sail except main t'gmast stays'l and main sail. Course N. 81° W. till 7.00 when changed to N. 77° W. & P. & S. Ship rolling 5° each side to long swell from N.E.

H. Baldwin
Lieutenant, U.S.N.

4 to 8. A.M.

Fine and pleasant. Gentle to moderate breeze from South to S.S.W. Full and by on port tack under all plain sail but main sail. Making course N. 77° W. At 5.00 sent apprentice on mast head. Th. M. Gunderson, O.S. 2, released from confinement at 5.00 A.M. Distilling. Ship steady. Barometer rising.

W. H. Wynn
Lieutenant, U.S.N.

8. A.M. to Meridian.

Cloudy and pleasant. Moderate to gentle S.S.W. breeze. Barometer rising. Ship almost steady, but at times rolling 7° each side to long swell. Distilling. Released from confinement J. Bamm, Ag. Sea. Returned to duty, and placed F. F. Leiper, Ag. Sea. in confinement as per punishment assigned. At 9.00 set main t'gmast stays'l. At 9.30 went to general quarters, divisions reading as follows:- H. Div., 3rd, and Crew, 1 min.; 2nd, 1¼ min.; 1st, 1½ min.; Md, 2 min.; 5th, 2½ min. Exercised at target with 10 lb. 15 when secured in 5½ min. At drill firing gun for port for 1 gun H. and one at screen in sight for 1 gun H. 195 were accidentally broken. Held routine and quarter drills. The Captain assigned punishments as follows:- J. J. Berg, Ag. Sea., arranging the locker, 2 days. S. C. on B. & W.; J. J. Kelly, Ag. Sea., rousing abreast berthing to muster at arms, 3 days S. C. on B. & W. Steering full and by on port tack making from N. 73° W. to N. 81° W. [sic] Then all sail save mainsail. Log 11.4 at end of watch.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Partly clear to overcast, squally and raining. Moderate to fresh breeze in squalls from S.by W. and S.with. Barometer falling. Steering from W. 9/4 N. to West [sic] and under all sail but mainsail close hauled on port tack. At 1.30 drilled as per routine. 5th Div. mistrailed extra in ordinance, 5th Div. of watch held gabby practice. At 3.00 upon the approach of a very heavy rain squall, took in light sails, flying jib, jib, main t'gmast stays'l and main t'gsail, and double reefed fore and at 3.05 hauled down sail, set topgallantsails and furled royals. Ship steady.

E. W. Freeman
Ensign, U.S.N.

4 to 6 P.M.

Overcast and cloudy. Raining at times. Moderate breeze from S.S.W. Steering full and by making about N.W. by W. Ship under fore t'gmast stays'l, square sail to royals except main sail and spanker. At 4.30 hauled in jib. At 5.00 called all hands, hauled down jib, furled t'gallantsails, and took two single reefs in topsails. Distilling. Light S.C. swell.

E. A. Beach
Lieutenant, U.S.N.

6 to 8. P.M.

Overcast and threatening. Calm and gentle breeze from S.S.W. Barometer rising. Full and by on port tack under fore t'gmast stays'l, foresail, double reefed topsails and spanker. Making course W. by N. & W. first hour, then no steerage way. At 7.00 took in spanker. At 7.45 hauled in patent log reading 6.7 S. Stopped distilling at 6.30 and boilers shut out under 6 Boiler. Ship rolling 3° each side to long swell from N.E.

H. H. Baldwin
Lieutenant, U.S.N.

8. P.M. to Midnight

Overcast and pleasant. Calm to light variable airs. Full and by on port tack under fore t'gmast stays'l, double reefed topsails, and foresail, making course W. by N. and W. by N. At 10.15 set spanker. Barometer falling. Ship steady.

W. H. Wynn
Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieutenant, U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount.	State of the Sea.
A. M.																		
Eight	/	/		West	South	2		Qtr	30.13	80	78	76	78	oc.	Cu-n.		10	Lt.
2	/	/		W. by N.	SSW.	2		/	30.11	80	78	76	78	"	"		10	"
3	/	½		"	"	2		/	30.09	80	78	76	78	"	"		10	"
4	/	/		"	"	2		/	30.11	80	78	76	78	"	"		10	"
5	/	0		West.	"	2		/	30.13	80	79	76	80	bc.	S-cu.		8	"
6	/	/			South.	2		/	30.15	80	79	76	80	"	"		7	"
7	/	0		"	"	1-2		/	30.16	80	79	76	80	"	Cu.		5	"
8	/	0		"	SbyE.	1-2		/	30.17	80	79	77	80	"	"		5	"
9	/	0		"	"	1-2		/	30.20	81	80	78	80	"	"		5	"
10	/	0		W. by N.	"	2		/	30.17	81	80	76	80	"	"		5	"
11	½	0		West	"	2		/	30.19	81	80	78	80	"	"		5	"
Noon.	/	6		"	"	2		/	30.18	81	83	78	80	"	"		4	"

Position at 8 A. M.: Latitude by	DR.	19° 54' 00" N.
Longitude by	Obs.	50° 59' 00" W.
Position at noon: Latitude by observation		19° 51' 15" N.
Longitude by observation		51° 01' 52" W.
Latitude by D. R.		19° 53' 36" N.
Longitude by D. R.		51° 11' 34" W.
Course made good since preceding noon:		N. 76° W.
Distance made good since preceding noon:		30 miles.
Distance by Log since preceding noon:		39.4 miles.
Current per hour: 0.47 miles, set	N. 69° E. true.	
Position at 8 P. M.: Latitude by	DR.	19° 56' 51" N.
Longitude by	DR.	51° 07' 30" W.
Variation of compass:		8° 15' W'ly.
Error of compass observed at 8:25 a.m.		14° 42' "
Deviation of compass on West.		6° 27 "
Water expended during the preceding 24 hours,		550 gallons.
Water Distiller during the preceding 24 hours,		300 "
Water remaining on hand fit for use at noon,		2650 "
Coal consumed during the preceding 24 hours,		tons, 1700 lbs.
Coal remaining on hand at noon,		111 " 1810 "

Mag. Temp.
Fore
Aft.

P. M.																		
1	0	8		N. 69° W.	SSW.	1		Qtr	30.17	84	84	80	80	bcfg.	Cu-n.		9	Lt.
2	0	8		N. 72° W.	"	1		½	30.17	82	83	80	81	"	"		9	"
3	/	0		West.	"	3		½	30.16	81	81	79	81	bcfg.	"		9	"
4	½	3		"	"	3		½	30.16	81	80	79	81	ocfg.	"		10	"
5	Mr Steerage Way.				Variable.	0-1			30.16	80	77	76	80	oc.	S-cu.		10	"
6	"	"		"	SbyW.	0-1			30.16	80	77	76	80	"	"		10	"
7	0	5		West.	"	0-1			30.18	81	78	76	80	"	"		10	"
8	Mr Steerage Way.				Calm.	0			30.19	81	78	76	80	ocd.	"		10	"
9	"	"	"	"	"	0			30.18	81	77	77	80	ocd.	Cu-n.		10	"
10	"	"	"	"	"	0			30.18	81	77	77	80	"	"		10	"
11	/	0		W. ½ S.	SSE.	0-1			30.19	82	77	77	80	bc.	"		9	"
Mid.	/	0		West.	"	0-1			30.20	82	77	77	80	ocfg.	"		10	"

under the command of Commander Richard Dunyat, U. S. Navy,

Friday, November 2nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and overcast. Light South'ly to E.S.E'ly & heavy. Barometer full & light'ly. Ship steady. Under fore topmast staysail, double reefed topsails, foresail, and spanker. Steering full and by on port tack making from West to W.by N.

Ralph Earle,
Ensign, U.S.N.

4 to 8. A.M.

Clear and warm. Light airs and breeze from South. Barometer rising. Ship steady. On course West (true) barely making steerage way. At 5.30 mustered and sent apprentices of watch over washed. At 6.00 shook reefs out of topsails and made all sail except mainsail, main topmast staysail, and topsail. Lowered smoke light.

R. W. Henderson
Ensign, U.S.N.

8. A.M. to Meridian.

Warm and pleasant. Light breeze from S.by E. Steering full and by making good W.by N. to West. Under fore and aft sail except main topsail and topmast staysail, and all square sail except mainsail. Went to quarters at 9.00. Then exercised at fire quarters, then at abandon ship, and in second furnished arms and away distant service. Times as follows:- Fire quarters; 4th, 1 min.; 2nd & 3rd, 1 min.; Four 1 1/4; Four & 5th 1 1/2; and 1st 1 3/4 min.: Abandon ship; 1st cutter 1/2 min; 3rd 1/4; 2nd & 5th 1 1/2; 4th & 2nd 1/2; S. & P. & Sig 1 1/2; W. B. and Dinghy, 2 min.; Secured at 10.25 on 4th min. Arm & Away:- 1st cutter 2 min; 3rd 2 1/2; W. B. 3; 4th 4 min. Secured in 2 min. At 10.45. At 10.50 set main topmast staysail and mainsail. Punishments were awarded by Comdg Officer as follows:- E. J. Williams and J. F. Sargent, A.B.C., leaving station at life buoy to crowd clothes, 1st free within duty; C. F. McElwain, A.B.C., disobeying orders and refusing to go aloft and perform work, 5 days S.C. on B & W.; S. Blase, A.B.C., insubordinate conduct and throwing mumbo upon W. Room table, 5 days S.C. on B & W. By order of Comdg Officer J. Johnson, Master, released from confinement and restored to duty, and C. F. McElwain, A.B.C., was placed in S.C. on B & W. for 5 days for disobeying orders and refusing to go aloft and perform work. Light swell from S.E. Took out gangs of guns, found in good condition, sponged, oiled and put gangs back.

E. L. Beach Lieutenant, U.S.N.

Meridian to 4. P.M.

Overcast. Light airs to gentle breeze from S.S.W. Barometer about steady. Under all sail except main topsail. Full and by on port tack making course N.61° W to West. Overhauled battery from 1.15 to 3.15 running in 4" guns against recoil sponge, overhauling training gear of aft and elevating gear of #5 and #6 4" R.F. Tested magazine flood cocks and drains. All in good order except 1 flood cock drain broken. At 3.30 a heavy rain squall passed over. Scandalized topsails and hauled up mainsail. Made sail to royals and main topmast staysail against 3.45. Ship rolling 8° port & 12° stbd. to smell from S.E.

J. P. Baldwin Lieutenant, U.S.N.

4. to 6. P.M.

Overcast. Light shower at 4.30. At 4.30 went to quarters for muster. Furled royals and flying jib and took a reef in topsails. At 5.15 took in spanker. Light variable airs and calm. At end of watch on port tack under fore topmast staysail, courses, single reefed topsails, and topgallantsails with main topmast staysail against. Barometer steady.

R. B. Bates
Lieutenant, U.S.N.

6 to 8. P.M.

Overcast with light rain at times. Light S.by W. airs and calms. Barometer rising. Ship steady. Ship not making steerage way. 4th division had exercise in signalling with lanterns from 7 to 7.10. Under fore and main topmast staysails, jib, single reefed topsails, courses, topgallantsails and spanker.

Ralph Earle,
Ensign, U.S.N.

8. P.M. to Midnight.

Overcast, cloudy, and raining. Calm to light airs from E.S.E. Barometer rising. No steerage way for half. On course West (true) and half and under same sail as in previous watch. Ship steady.

R. W. Henderson
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieutenant, U.S.N., Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

At Sea, Making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	In Steerage Way				Calm.	0		Ble.	30.19	81	77	77	80	b.c.h.r.	S.Cu.		8	Sl.
2	"		"	"	"	0			30.17	81	78	77	80	b.c.	"		8	"
3	1	0	"	West	S by W.	0-2		1	30.15	82	79	77	80	b.cy.	"		7	"
4	2	7	62.7	W. by N.	S. by S.	0-2		1	30.14	82	79	77	80	"	"		7	"
5	2	5	66.0	N.W. by W.	"	1-2		1	30.14	82	79	77	81	b.cm.	"		7	"
6	1	7	66.9	"	"	1-2		1	30.15	82	79	77	80	"	S.Cu.		7	"
7	1	0	66.9	N.W.	"	1-2		1	30.17	82	79	77	80	"	"		7	"
8	0	1	66.9	W. by N.	"			1	30.17	82	79	77	80	"	"		7	"
9	In Steerage Way				Calm.	0			30.22	81	79	77	81	b.c.	S.Cu.		8	"
10	"		"	"	"	0			30.21	81	81	78	81	"	Cu.Cu.		7	"
11	"		"	"	"	0			30.20	81	82	79	81	"	S.Cu.		9	"
Noon.	"		"	"	"	0			30.19	81	84	80	81	"	"		7	"

Position at 8 A. M.: Latitude by D.R. 20° 00' 39" N. Mag. Temp.
Longitude by Obs. 51° 53' 30" W. Sea 84-83 Air 81-80

Position at noon: Latitude by observation 20° 02' 21" N.
Longitude by observation 51° 53' 30" W.
Latitude by D. R. 20° 00' 39" N.
Longitude by D. R. 51° 18' 00" W.

Course made good since preceding noon: N. 80° W.
Distance made good since preceding noon: 30.4 miles.
Distance by Log since preceding noon: 16.4 miles.
Current per hour: 0.6 miles, set N. 83° W true.

Position at 8 P. M.: Latitude by D.R. 19° 59' 57" N.
Longitude by Obs. 51° 57' 24" W.

Variation of compass: 8° 00' W'ly
Error of compass observed at 4:42 P.M. 13° 20' "
Deviation of compass on N. 83° W. 5° 20' "
Water expended during the preceding 24 hours, 55-0 gallons.
Water during the preceding 24 hours, — "
Water remaining on hand fit for use at noon, 21 60 "
Coal consumed during the preceding 24 hours, tons, 1100 lbs.
Coal remaining on hand at noon, 111 " 710 "

P. M.																		
1	In Steerage Way				Calm.	0			30.19	81	84	81	81	b.c.	S.Cu.N.		7	Sl.
2	"		"	"	"	0			30.19	81	85	81	81	"	Cu.Cu.		5	"
3	"		"	"	"	0			30.16	81	87	83	81	"	"		5	"
4	"		"	"	"	0			30.16	81	85	83	81	"	"		5	"
5	2	7	66.8	N. 83° W.	N.W.	1			30.19	81	82	80	81	"	"		6	"
6	5	5	75.1	"	W. by N.	1			30.20	81	80	78	81	"	"		5	"
7	5	8	80.9	"	"	1			30.20	82	79	78	81	"	Fr.Cu.		6	"
8	5	7	86.6	"	"	1			30.21	82	79	77	81	"	"		5	"
9	5	8	92.4	"	W by N.	1			30.22	82	79	77	81	"	"		5	"
10	5	8	98.2	"	W by N.	1			30.22	82	78	77	81	b.c.	"		10	"
11	5	8	40	"	"	1			30.22	82	78	76	81	"	"		10	"
Mid.	6	0	10.0	"	"	1			30.20	82	78	77	81	"	"		10	"

4—2.6

under the command of Commander Richard H. Davenport, U. S. Navy,

Saturday, November 24th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy. Calm till 2.30 when light breeze veering to moderate breeze from SbyW. Steering full and by under fore and aft sail except flying jib and main topsail, and square sail to topgallantmasts. Ship steady until 3.00 when hauling to breeze. At 3.50 fort run off reading 647

E. L. Beach Lieutenant, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Bright airs to light breeze from SW by S. Barometer steady. Full and by on port tack making courses N.W by N., N.W., and W.N.W. At 7.30 shook out reefs and made all sail except main topsail. Fulled dry sheet bedding. Hauled in fort log at 8.00 reading 669. Long swell from S.S.

J. H. Baldwin Lieutenant, U.S.N.

8 A.M. to Meridian.

Fair and warm. Calm. No steerage way. Under all sail but topsail. At 11 had boy inspection. Unbent and sent below mainsail. Clewed up light sails and hauled down jib, flying jib and main topmast staysail. Barometer falling slowly.

W. O. Wilson Lieutenant, U.S.N.

Meridian to 4 P.M.

Cloudy and very hot. Calm. Barometer falling. Ship steady. At 1.35 lighted fires under boilers A and D for steaming purposes, having previously hoisted smoke stack. At 1.30 called all hands, furled the topgallant sails, royals, shifted topsails and furled them, and took in spanker making no steerage way. At 2.30 emptied topsails. Under fore topmast staysail.

Ralph Earle, Ensign, U.S.N.

4 to 6 P.M.

Cloudy and warm. Light airs from N.W. Barometer rising. At 4.30 mustered at quarters and held setting up exercise. At 4.45 turned engines and went ahead full speed on course N. 89° W. (true). At 4.45 furled foresail and fore sail. At 5.45 Arr revs. 35.1. F. P. at end 55.1

E. H. Henderson Ensign, U.S.N.

6 to 8 P.M.

Cloudy and warm. Light airs from W.N.W. Steering fore 89.5° W. Steaming with boilers A & D. At 6.05 Arr revs. 36.3.

E. L. Beach Lieutenant, U.S.N.

8 P.M. to Midnight.

Cloudy to fair with light rain. Light W by N by airs. Barometer rose slightly. Ship rolling 6 per min. 10° each side to swell from N.W. Under steam alone on course N. 89° W. (true) log 10.0 at end of watch. At 8 Arr revs. 36.9.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. T. Langrum, Lieut, U.S.N. Navigator.

4—999

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

On Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount.	State of the Sea.
A. M.																		
1	5	7	15.7	N. 83° W.	Calm	0			30.20	82	79	77	81	ocw	Cu-n.		10	Ld.
2	5	0	21.6	"	N.W.	3			30.17	82	77	77	81	ocr	"		10	"
3	5	5	27.1	"	Variable	3			30.17	81	74	74	81	bcr	"		8	"
4	5	1	32.3	"	"	2			30.17	80	74	74	80	bcr	Cu.		4	"
5	5	3	37.5	"	"	2			30.15	80	74	74	80	bc	"		4	"
6	5	6	43.1	"	N. by W.	3			30.15	80	74	74	80	"	"		3	"
7	5	6	48.8	"	"	2			30.16	80	77	76	80	"	Cu-n		3	"
8	5	7	54.5	"	"	2			30.16	80	77	77	80	bcfg	Cu-n		5	"
9	5	4	59.9	"	North	3			30.20	81	79	78	80	"	"		6	"
10	5	6	65.5	"	N.N.E.	2-3			30.21	81	79	78	80	"	"		7	"
11	5	6	71.1	"	East	3			30.22	82	77	77	80	"	"		5	"
Noon.	6	7	77.8	"	N.E.	4			30.19	80	78	78	80	bc	"		6	"

Position at 8 A. M.: Latitude by D.R. 19° 57' 33" N. Mag. Temp. For. 83-82 Aft. 82-8

Longitude by Obs. 53° 06' 15" W.

Position at noon: Latitude by observation 19° 52' 50" N.

Longitude by observation 53° 26' 37" W.

Latitude by D. R. 19° 48' 45" N.

Longitude by D. R. 53° 35' 54" W.

Course made good since preceding noon: S. 85° W.

Distance made good since preceding noon: 107 miles.

Distance by Log since preceding noon: 110.9 miles.

Current per hour: 0.4 miles, set N. 65° E. true.

Position at 8 P. M.: Latitude by D.R. 19° 46' 26" N.

Longitude by Obs. 54° 04' 51" W.

Variation of compass: 6° 40' W. by

Error of compass observed at 4:38 P.M. 11° 59'

Deviation of compass on N. 86 W. 5° 19'

Water expended during the preceding 24 hours, 555-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand at noon, 1555-0 "

Coal consumed during the preceding 24 hours, 8 tons, 90 lbs.

Coal remaining on hand at noon, 103 " 620 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount.	State of the Sea.
P. M.																		
1	5	8	83.6	N.N.W.	N.N.E.	1-3			30.23	80	81	79	81	bc	Cu		6	Ld.
2	6	4	89.8	"	"	3			30.21	80	81	79	81	"	"		6	"
3	5	6	95.4	"	"	3			30.20	80	82	79	81	"	"		6	"
4	5	9	1.3	"	"	3			30.20	80	79	79	80	bcfg	Cu-n.		7	"
5	5	6	6.9	"	"	3			30.22	80	79	77	80	"	"		6	"
6	5	4	12.1	"	"	3			30.19	80	78	77	80	"	"		6	"
7	5	4	17.5	"	"	3			30.16	80	78	77	80	bc	"		6	"
8	5	9	23.4	"	East	3			30.16	80	78	76	80	"	"		4	"
9	5	7	29.1	"	"	2-3			30.17	81	78	77	80	"	Cu		4	"
10	6	0	35.1	"	"	2-3			30.15	81	78	77	80	"	"		2	"
11	5	9	41.0	"	E.N.E.	2-3			30.14	81	78	77	80	"	Cu-n		4	"
Mid.	5	7	46.7	"	"	2-3			30.14	81	78	77	80	"	"		4	"

4-26

under the command of Commander Richard P. Davenport, U. S. Navy,

Sunday, November 25th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast & clearing at end of watch. Heavy rain at 2 A.M. Calm to variable breeze. Steaming on course N. 53° W. under steam on two boilers. Barometer falling. Av. steam 41. Av. revs. 35.

F. K. Brown
Lieutenant, U.S.N.

4 to 8 A.M.

Clear and warm. Heavy rain squall last hour. Light breeze from N. by W. Barometer steady. Ship rolling 6 per min., 10° each side to N. E. by E. Steaming on course N. 53° W. (psc) under two boilers. At 5 sounded 4 fathoms of water, sea muddy. Av. st. 43. Av. revs. 33.

R. W. Henderson
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and warm. Occasional passing showers. Light to moderate breeze from North & East. Steering psc N. 53° W. Steaming with boilers A & D. At 12:00 made all fore and aft sail & all square sail & royals except mainsail. Went to quarters at 9:00. Comdg. Officer inspected crew. Then called all hands to muster and read out finding and sentence of S.C.M. in case of R. T. Lewis, S.C. H.C. Finding and sentence as follows: guilty, sentenced to discharge from the service with bad conduct discharge but the sentence shall not be carried into effect in a foreign country, and the loss of one month's pay amounting to $20. R. T. Lewis, S.C. H.C., released from confinement and made prisoner at large, by order of Comdg. Officer. R. T. Lewis, S.C. H.C., and S. Johnson, Matt., ordered to be confined in single irons from 7 P.M. 7 A.M. while at sea by order of Comdg. Officer. Av. st. 36 Av. revs. 344. At 12 changed course to N. 86° W. by C. 778. Between 11½ & 12 set clock back 5 min.

E. L. Beach, Lieutenant, U.S.N.

Meridian to 4 P.M.

Generally fair and warm with rain last hour. Gentle N. N. E. breeze. Barometer falling. Ship rolling easily 6 per min., 10° each side. At 12:30 hauled down main topmast staysail. At 3:00 took in and furled all sail. Arrived & moored under steam alone on course N. 86° W. (psc) log 1.3. Av. st. 46. Av. revs. 366. Passed quantities of sea weed.

Ralph Earle,
Ensign, U.S.N.

4 to 6 P.M.

Generally fair and pleasant with slight shower at 5 P.M. Under steam on two boilers on course N. 86° W. Av. st. 43. Av. revs. 33.3. At 4.30 went to quarters for muster. Barometer steady.

F. K. Brown
Lieutenant, U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle breeze from N. N. E. to East. Barometer falling. On course N. 86° W. (psc) Steaming under two boilers. At sundown confined R. T. Lewis, S.C.H.C., & S. Johnson, M. at., in single irons for night. Set fore & aft sail at 6:30 and hauled it down at 7:30. Ship almost steady. Av. st. 43. Av. revs. 33.3.

R. W. Henderson
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light to gentle breeze from East to E.N.E. Steering N. 86° W. Steaming with two boilers A & D. Av. st. 45. Av. revs. 366.

E. L. Beach. Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, 0 to 10th.	State of the Sea.
A. M.																		
1	5	8	525	N. 86° W.	East	2			30.13	80	78	77	80	bc	S-a		3	Lo
2	5	8	58.3	"	"	2			30.12	80	78	76	80	"	"		2	"
3	5	7	64.0	"	"	2			30.10	80	78	76	81	"	"		2	"
4	5	6	69.6	"	"	2			30.10	80	77	75	80	"	"		2	"
5	5	0	74.6	"	N by W.	2			30.10	80	77	75	80	"			2	"
6	5	7	80.3	"	"	2			30.10	80	77	75	80	"	a-a		4	"
7	6	0	86.3	"	"	2			30.12	80	79	77	80	"			4	"
8	5	9	92.2	"	East	2			30.14	80	80	78	80	bcq	"		3	"
9	5	6	97.8	"	"	2			30.17	80	80	78	81	"	"		3	"
10	5	7	103.5	"	"	2			30.17	80	80	78	81	bc	"		2	"
11	6	0	9.5	"	"	2			30.15	80	83	80	80	"	"		8	"
Noon.	6	8	16.3	"	"	2			30.15	80	85	82	80	"	"		8	"

Position at 8 A. M. { Latitude by DR. 19° 36' 0" N. Mag. Time.
Longitude by Obs. 55° 30' 45" W. Sun 8483 aft. 8 2 P.M.

Position at noon: { Latitude by observation 19° 36' 03" N.
Longitude by observation 55° 52' 21" W.
Latitude by D. R. 19° 33' 56" N.
Longitude by D. R. 55° 52' 43" W.

Course made good since preceding noon: S. 83° W.

Distance made good since preceding noon: 138. miles.

Distance by Log since preceding noon: 138.5 miles.

Current per hour: 0.1 miles, set N. 16° E. true.

Position at 8 P. M. { Latitude by DR. 19° 21' 40" N.
Longitude by Obs. 56° 40' 21" W.

Variation of compass: 4° 40' W'ly

Error of compass observed at 7.42 P.M. 9° 12' "

Deviation of compass on N. 87° W 4° 32' "

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, 8 tons, 1790 lbs.

Coal remaining on hand at noon, 74 " 1240 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, 0 to 10th.	State of the Sea.
P. M.																		
1	6	0	6.0	N. 87° W.	East.	2-3			30.12	82	85	81	87	bc	a-a		6	Lo
2	6	2	12.2	"	E.S.E.	2-3			30.09	84	86	82	82	"	"		5	"
3	6	0	18.2	"	S.E. by E.	3-4			30.09	84	82	81	82	"	"		5	"
4	5	9	24.1	"	S.E.	3			30.10	83	81	80	81	bcq	Cu-m		6	"
5	6	0	30.1	"	"	2			30.08	83	80	79	81	bc	Cu		5	"
6	6	0	36.1	"	"	2			30.11	83	80	79	81	"	"		5	"
7	6	3	42.4	"	E. by E.	2			30.11	82	79	78	81	bcq	S-Cu-m		6	"
8	5	8	48.2	"	"	2			30.11	82	79	78	81	bc	Cu-m		6	"
9	5	2	53.4	"	East.	2			30.15	81	79	79	81	"	Cu		1	"
10	5	7	59.1	"	"	2			30.17	81	79	79	81	bcw	"		1	"
11	6	0	65.1	"	"	1			30.19	81	78	78	81	bcwl	Cu		4	"
Mid.	5	8	70.9	"	"	1			30.16	81	78	78	81	"	"		4	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Monday, November 26th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light East & breeze. Barometer falling. Ship rolling 6 per min. 10° each side. Under steam alone on course N. 86° W. (psc) log 69 6 at end of watch. Av. at 46. Av. revs. 36.3

Ralph Earle,
Ensign, USN

4 to 8 A.M.

Fine and pleasant to shoreward at end of watch. Steaming on course N. 86° W. (psc) under steam on 2 boilers. Sent apprentice over masthead at 5 A.M. R. T. Burns, S.C.H.C., W. Johnson, N.A.K., released from confinement at 7 A.M. by C.G. at 43. Av revs 36.6.

H. Helm
Lieutenant, USN.

8 A.M. to Meridian.

Clear and very warm. Light breeze from East. Barometer steady. Ship rolling 6 per min. 10° each side to slight following swell. During first 2 hours passed occasional small patches of sea weed. Ship on course N. 86° W. (psc). At 9.00 set fore and main topmast staysails, forecast and spanker, and at 9.40 set square sail to royals on fore. At 10.30 took in spanker and mizen topmast staysail. At 9.30 mustered at quarters, exercised at setting out drill, and held 1st and drill parade as per routine. The Cranky Officer assigned the following punishments:- E.F. Catt, A.S.C., below leaning forward on deck, 2 days S.C. on A.&W.; A.R. Gross, A.S.C., failing to coil rope on gangway, 5 hrs extra duty; J.J. O'Keefe and T.J. Wheeler, A.S.C., disregards of orders, 5 hrs extra duty; E.M. Jackson, A.S.C., disobedience of orders, 10 hrs extra duty; E.J. McMahon, A.S.C., leaving quarters each squad, going below without permission and stemming in while his watch was on deck, 2 days S.C. on A.&W.; F.S. Cobb, A.S.C., continually neglecting to clean gun brightwork, 12 hrs extra duty. Av. at for watch 39. Av revs 34.4. At 11.00 set clock back 5 minutes. At 12.00 Ship's post Dogs quitting over revs one reading 0.0. At noon changed course to N. 87° W. (psc)

J.W. Henderson
Ensign, USN

Meridian to 4 P.M.

Fair and warm. Passing showers at 3.00. Gentle breeze from East to E.S.E. Steering psc N. 87° W. Steaming with 2 boilers A & D under fire, and square sails of foremast. At 3.30 set spanker. At 3.45 lighted fires under boiler B. for distilling. Had routine drills from 1.30 to 2.15, then 2nd Div. Signals, 5th Div. Ordnance, and 1st Div. target practice yelling rifle. At different times secured small quantities of sea weed passing by on both beams. Acting appointment of W.J. Drummond, P.M.A.C., removed for 6 months from today. Av. at 42. Av revs 36.1 Loaded 5.5 saluting charges.

E.F. Catt
Lieutenant, USN.

4 to 6 P.M.

Cloudy to pleasant. Light S.S.E. by E. breeze, Barometer rising. Ship rolling 6 per min. 10° each side. At 4.30 went to quarters and exercised at reefing topsails till 5.00 when furled all sail. At 5.00 shifted log to repair it and first over log reading 96.4. Passed small patches of sea weed. At end of watch under steam alone on course N. 87° W. (psc) log 2.2. Av. at 42. Av revs 36.0

Ralph Earle,
Ensign, USN

6 to 8 P.M.

Fair and pleasant with short rain showers at 6.40 P.M. Steaming on course N. 87° W. under steam on 2 boilers. Began distilling at 7 P.M. Barometer steady. Av. at 41. Av revs. 36.4. S. Johnson, N.A.K., and R.T. Burns, S.C.H.C., confined for the night at 7 P.M.

H. Helm
Lieutenant, USN.

8 P.M. to Midnight.

Clear and pleasant. Light breeze from East. Barometer rising. On course N. 87° W. (psc) under steam alone. Ship steady. Lightning to S.E. Av. at 41. Revs 36.

J.W. Henderson
Ensign, USN.

Examined and found to be correct.

E.F. Catt
Lieut, U.S.N. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-6.	State of the Sea.
A. M.																		
1	6	0	43.1	N. 87° W.	East	1			30.14	82	78	78	80	b.c.	Cu.		4	L.
2	6	2	49.3	"	"	1			30.10	82	78	78	80	b.c.	"		4	"
3	5	4	54.7	"	"	1			30.12	82	78	77	80	"	"		5	"
4	6	1	60.8	"	"	1			30.12	82	78	77	80	"	"		5	"
5	6	1	66.9	"	N.W.	1			30.12	82	78	77	80	b.c.	Cu		5	"
6	5	5	72.4	"	"	1			30.15	82	78	77	80	"	"		3	"
7	5	7	78.1	"	"	1			30.16	82	79	77	80	b.c.	"		3	"
8	6	0	84.1	"	"	1			30.18	82	80	77	80	"	"		3	"
9	6	0	90.1	"	Calm.	0			30.20	82	83	81	82	"	Cu-Cu		4	"
10	6	0	96.1	"	"	0			30.22	82	85	82	82	"	"		5	"
11	6	0	2.1	"	SW	1			30.22	82	85	82	84	"	"		4	"
Noon.	6	5	8.6	"	"	1			30.15	82	86	82	82	"	"		4	"

Position at 8 A. M.	Latitude by DR	19° 21' 40" N.	Mag.	Temp.
	Longitude by Obs	57° 53' 54" W.	Sun	Alt.
Position at noon:	Latitude by observation	19° 19' 35" N.	84-83	82-80
	Longitude by observation	58° 19' 30" W.		
	Latitude by D. R.	19° 18' 52" N.		
	Longitude by D. R.	58° 22' 16" W.		
Course made good since preceding noon:		S. 83° W.		
Distance made good since preceding noon:		140 miles.		
Distance by Log since preceding noon:		138.7 miles.		
Current per hour:	0.1 miles, set N. 75° E. true.			
Position at 8 P. M.	Latitude by DR	19° 14' 11" N.		
	Longitude by Obs	59° 01' 51" W.		
Variation of compass:		4° 10' W'ly		
Error of compass observed at	4:37 P.M.	8° 46' "		
Deviation of compass on	N. 89° W.	4° 36'		
Water expended during the preceding 24 hours,		550 gallons.		
Water	Distilled during the preceding 24 hours,	1050 "		
Water remaining on hand fit for use at noon,		1500 "		
Coal consumed during the preceding 24 hours,		10 tons, 576 lbs.		
Coal remaining on hand at noon,		84 " 670 "		

P. M.																		
1	5	2	13.8	N. 89° W.	W.N.W.	2			30.14	82	87	83	83	b.c.	Cu-Cu		4	L.
2	5	6	19.4	"	"	2			30.14	82	86	82	82	"	"		4	"
3	5	4	24.8	"	N.W.	2			30.14	82	86	82	82	"	"		4	"
4	5	6	30.4	"	"	2			30.14	82	86	82	82	"	"		5	"
5	5	6	36.0	"	"	2			30.14	82	84	78	82	"	"		3	"
6	5	8	41.8	"	"	2			30.16	82	82	78	82	"	"		3	"
7	5	5	47.3	"	North	2			30.18	84	81	79	81	"	Cu		1	S.
8	5	7	53.0	"	N by E	3			30.18	84	81	79	81	"	"		3	"
9	6	0	59.0	"	N.W.	2			30.20	83	81	79	81	"	"		4	"
10	6	2	65.2	"	"	2			30.22	83	80	78	81	"	"		5	"
11	6	2	72.4	"	"	2			30.20	82	80	78	81	"	"		4	"
Mid.	5	1	77.5	"	"	2			30.18	82	80	78	81	"	"		5	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Tuesday, November 27th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.

Overcast and warm. Occasional passing showers. Light airs from East. Steering per N. 87° W, Steaming with boilers A & D. Distilling with boiler B. Arr. at #3. Arr revs. 36.7.

E. H. Beach,
Lieutenant, U.S.N.

4 to 8 A.M.

Fair and warm. Light N.W. by W. airs. Barometer rising. Ship rolling easily 5° each side, 6 per min. At 5:00 sent Apprentices over the masthead. Distilling. At 5:00 released R. T. Lewis, G.C. #6, and S. Johnson, M.A.A., from confinement in accordance with Comdg. Officer's orders. On course N. 87° W. (per) under steam alone. Log 74.1 at end of watch. Arr. at #7. Arr revs. 37.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Fine and warm. Calm to light breeze from S.W. Barometer steady, to falling at end of watch. At 9:30 went to quarters for muster. During last 4 mid. drill periods had routine drills. Set clock back 5 minutes. At 8:00 A.M. T. Bayer, A.S.C., released from confinement, and N. A. Abad, A.S.C., placed in confinement on B & W for 3 days as per punishment assigned by Comdg. Officer. The Comdg. Officer imposed following punishments: - H. W. Jackson, A.S.C., 2 days in S.C. on B & W. for going below and turning in during watch on deck; J. W. Adair, A.S.C., 1½ hrs. extra duty for deliberately leaving quarters with intention of shirking drill. Arr. at #6. Arr revs. 36.7

W. D. Washington
Lieutenant, U.S.N.

Meridian to 4 P.M.

Clear and warm. Light breeze from W.S.W. Barometer steady. On course S. 89° W. (per) Steaming under 2 boilers. At 1:30 commenced drill call and exercised as per routine. #6 Division exercised at extra signals. Sent two hand gallery practices for watch on deck. Passing occasional small patches of sea weed. Ship rolling 6 per min. 12° each side. In G.C. 6 & well. Arr. at #4. Arr revs. #3.

Geo. Thurston
Ensign, U.S.N.

4 to 6 P.M.

Warm and pleasant. Light breeze from N.W. Steering per N. 80° W. Steaming with boilers A & D, distilling with boiler B. Went to quarters at 4:30 then exercised at making and furling sails. Arr. at #3. Arr revs. 34.4

E. H. Beach,
Lieutenant, U.S.N.

6 to 8 P.M.

Fair and pleasant. Light to gentle breeze from North to N. by E. Barometer rose slightly. Ship steady. Bright moonlight. Distilling. #6 Div. exercised at night signals from 7 to 7:30. At 7:50 set sail, flying all four courses, staysail and spanker. Confined S. Johnson, M.A.A., and R. T. Lewis, G.C. #6, in accordance with Comdg. Officer's orders, at 7:30. On course N. 89° W. (per) under steam and the above sails, log 83.0 at end of watch. Arr. steam #2. Arr revs. 35.0.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight

Fine and pleasant. Moon set at 10:30 P.M. On course N. 89° W. under steam on two boilers. Barometer falling slowly. Arr. at 47. Arr revs. 37.6. Light breeze from N.W. to S.W. Furled sails, & spanker, and foresail set from 8 to 9:30.

W. D. Washington
Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, as at 12.	State of the Sea.
A. M.																		
1	6	6	83.1	N. 89° W.	N. N. W.	2			30.18	83	80	78	81	bc	Cu.		1	8
2	6	0	89.1	"	"	2			30.19	83	80	78	81	"	"		1	"
3	5	3	94.4	"	"	2			30.18	84	79	77	81	"	"		2	"
4	5	6	100.0	"	"	2			30.18	82	79	77	81	"	"		2	"
5	5	5	105.5	"	"	2			30.18	82	79	77	81	"	"		3	"
6	6	1	111.6	"	"	2			30.18	82	79	77	81	"	"		3	"
7	6	2	117.6	"	"	1			30.20	82	79	77	81	"	"		3	"
8	6	1	123.7	"	"	1			30.21	82	80	77	81	"	"		4	"
9	6	0	129.7	N. by E.	N. by E.	2			30.22	82	82	79	81	"	"		4	"
10	5	6	135.3	N. by E.	N. by E.	2			30.23	81	83	79	81	"	Cu.		1	"
11	5	9	141.2	"	"	3			30.23	81	83	80	81	"	"		2	"
Noon.	6	8	148.0	"	"	3			30.23	82	84	81	81	"	"		3	"

Position at 8 A. M.: Latitude by D.R. 19°05'35" N. Mag. Temp.
Longitude by Obs. 60°12'00" W. Fm. Alt.

Position at noon: Latitude by observation 19°07'18" N. TH-82 81-80
Longitude by observation 60°36'06" W.
Latitude by D. R. 19°02'35" N.
Longitude by D. R. 60°45'54" W.

Course made good since preceding noon: S. 84° W.

Distance made good since preceding noon: 129 miles.

Distance by Log since preceding noon: 139.4 miles.

Current per hour: 0.5 miles, set N. 65° E. true.

Position at 8 P. M.: Latitude by D.R. 18°59'12" N.
Longitude by Obs. 61°24'33" W.

Variation of compass: 7°50' W by

Error of compass observed at 4.40 P.M. 7°37' "

Deviation of compass on S. 89° W. 4°47' "

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1750 "

Water remaining on hand fit for use at noon, 7700 "

Coal consumed during the preceding 24 hours, 10 tons, 570 lbs.

Coal remaining on hand at noon, 74 " 100 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, as at 12.	State of the Sea.
P. M.																		
1	7	4	154.6	N. 89° W.	N. N. E.	3			30.13	81	82	80	82	bc	Cu. Cu-S.		7	8
2	6	4	160.4	S. 89° W.	N. E.	3			30.16	81	82	79	81	"	Cu-S		2	"
3	7	7	168.1	"	"	3			30.09	81	82	79	81	"	"		3	"
4	7	5	175.6	"	"	3-4			30.09	80	81	78	81	"	"		3	"
5	7	6	183.2	"	N. N. E.	4			30.11	81	80	78	81	"	Cu-S		6	"
6	7	4	190.6	"	N. by W.	3			30.18	80	78	76	81	"	"		6	"
7	8	0	198.6	"	"	3			30.19	80	78	76	81	"	"		8	"
8	7	6	206.2	"	North	3			30.21	80	78	76	81	"	"		4	"
9	7	0	213.2	"	N. N. E.	3			30.20	81	80	77	80	"	Cu.		4	"
10	7	2	220.4	"	"	3			30.20	81	80	77	80	"	"		4	"
11	7	2	227.6	"	N. E.	3			30.20	81	80	77	80	"	"		4	"
Mid.	7	2	234.8	"	"	3			30.20	81	80	77	80	"	"		4	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Wednesday, November 28th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light breeze from N.N.W. Barometer steady. Ar employed N. 35° W. (psc) under 2 boilers Chf steady. Ar at Ar serv.

Ellis Wheeldrake
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Light airs and breeze from N.N.W. Steering psc N. 89° W. Steaming with boilers A & D. Distilling with boiler B. Smooth sea. In accordance with order of Comdg Officer released from confinement at 7 A.M. C. Johnson, 1st and R. T. Evans, CC 4 C. Ar at 44. Ar serv 36.

E. L. Zeach, Lieutenant, U.S.N.

8 A.M. to Meridian

Fair and pleasant. Light to gentle N. by E. & E. to N.N.E. by E. breeze. Barometer rose slightly. Chf rolling easily 8° each side 6 per min. Released from confinement C. F. McElroy, Appr. 3 C., and term having expired, and placed D. Price, Appr. 3 C., in solitary confinement on bread and water for three days as per punishment assigned. At 9.30 mustered at quarters and held setting up exercises. Held routine instructions and drills 1st and 2nd drills. At 11.00 set clock back 1 minute. Passed a marked rise in finding W.N.W. to E.S.E. at 11.00. Passed occasionally a small bunch of sea weed. The Captain assigned punishments as follows: T. J. Kelly, Appr. 3 C., chewing tobacco at drill, 1 hr. extra duty; J. A. Smith, Ldg., refusing to obey orders of commissary yeoman, 3 nights double reefing; E. Burke and E. Raabe, Appr. 3 C., inattention at drill after repeated warning, 1 hr. extra duty. Distilling under steam alone, on course N. 89° W. (psc) by H.S.C. at end of watch. Ar steam 44. Ar serv 35.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Moderate breeze from N.N.E. to N.E. At 1.20 changed course to S. 89° W. (psc) by S.C. On course S. 89° W. under steam on two boilers until 1.15 when connected boiler B. Ar 1 P.M. set Leadenall, forecastle, mainmast, afterguard, afterhatch and topgallant. During 2nd drill spanish had routine drills. A Board of Survey of which Lieut. S. G. Pepper was senior member, met to survey 1 bbl of flour. At 3.00 the 2nd Div of the watch had galley target practice. Barometer fluctuating. Ar serv 40. Ar at 49.

W. P. Wilson
Lieutenant, U.S.N.

4 to 6 P.M.

Clear and pleasant. Moderate to gentle breeze from N.N.E. to N. by W. Barometer rising. Chf steady. Passing occasional gulf weed. On course S. 89° W. (psc) under all fore and aft sail and foresail. Ar at 55. Ar serv. 43. At 4.30 mustered at quarters after which exercised at making sail. Then sent royal yards and left topgallantsails up, but took them in at 6 P.M.

Ellis Wheeldrake
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle to moderate breeze from N. by W. Steering S. 89° W. under fore and aft sail and foresail. Secured all apprentices at Darge Night Signals. Disposed 3 anchors and stores, 28 Darge Red Signal Store, and 32 Darge Green Signal Store by order of Comdg Officer. Confined for the night in double irons A. Smith, Ldg., and in single irons R. T. Evans, CC 4 C. and C. Johnson, 1st Asst. Ar at 56 Ar serv 47.

E. L. Zeach, Lieutenant, U.S.N.

8 P.M. to Midnight

Fair and pleasant. Gentle N.N.E. by E. to N.E. by E. breeze. Barometer steady. Bright moonlight until 11.30 when moonset. Chf rolling 12° 6 per min. to N.E. by E. swell. Under foresail, all fore and aft sail, and steam on three boilers, on course S. 89° W. (psc) by S.C. at end of watch. Ar steam 59. Ar revolutions 72.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lynch,
Lieutenant, U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	7	1	41.9	S 89° W.	E by N.	4			30.18		81	79	77	81	bc.	Cu.		4	8
2	6	9	48.8	"	"	4			30.19		81	79	77	81	"	"		1	"
3	7	1	55.9	"	"	4			30.18		81	79	77	81	"	"		1	"
4	6	7	62.6	"	"	4			30.14		81	79	76	81	"	"		1	"
5	7	0	69.6	"	N by E.	1			30.14		81	79	76	81	"	"		1	"
6	7	0	76.6	"	N.	3			30.17		81	79	76	81	"	"		3	"
7	7	5	84.1	"	"	3			30.17		81	80	77	81	"	"		3	"
8	7	5	91.6	"	"	3			30.19		81	80	80	81	"	"		3	4
9	7	0	98.6	"	"	4			30.23		81	83	80	81	"	"		6	"
10	7	1	105.8	"	E by N.	4			30.22		81	85	81	81	"	"		6	"
11	7	2	113.0	"	"	4			30.22		81	86	84	81	"	"		5	"
Noon.	8	3	121.3	"	"	4			30.19		82	88	84	81	"	"		5	"

Position at 8 A. M.	Latitude by DR.	18° 47' 24" N.	Mag. Temp.
	Longitude by Obs.	62° 45' 30" W.	Hor Air
Position at noon:	Latitude by observation	18° 46' 26" N.	53-82 82-81
	Longitude by observation	63° 16' 00" W.	
	Latitude by D. R.	18° 43' 48" N.	
	Longitude by D. R.	63° 37' 06" W.	
Course made good since preceding noon:		S. 82° W.	
Distance made good since preceding noon:		154 miles.	
Distance by Log since preceding noon:		173.3 miles.	
Current per hour: 0.84 miles, set N. 83° E. true.			
Position at 8 P. M.	Latitude by DR.	18° 51' 02" N.	
	Longitude by Obs.	64° 11' 51" W.	
Variation of compass:		1° 36' W.	
Error of compass observed at 4:51 P.M.		6° 06' "	
Deviation of compass on N. 78° W.		4° 30' "	
Water expended during the preceding 24 hours,		53-0 gallons.	
Water during the preceding 24 hours,		— "	
Water remaining on hand fit for use at noon,		2115-0 "	
Coal consumed during the preceding 24 hours,		13 tons, 195 lbs.	
Coal remaining on hand at noon,		60 " 2145 "	

P. M.																		
1	6	4	127.7	N. 78° W.	N. E.	3			30.19		82	88	85	82	bc.	Cu.		4	8
2	7	2	134.9	"	"	3			30.19		82	86	84	82	"	"		4	"
3	7	2	142.1	"	N. N. E.	3			30.17		82	85	83	82	"	"		4	"
4	7	2	149.3	"	"	3			30.14		82	84	82	82	"	"		3	"
5	6	9	156.2	"	"	2-3			30.12		82	84	80	82	"	Cu.		3	"
6	6	8	163.0	"	"	3			30.14		82	82	80	82	"	"		2	"
7	6	9	169.9	"	"	3			30.14		82	81	78	82	"	"		2	"
8	6	9	176.8	"	"	3			30.18		82	81	78	82	"	"		2	"
9	6	7	183.5	S. 84° W.	N. E.	3			30.18		82	80	77	82	"	Cu.		2	"
10	6	6	190.1	"	"	2			30.19		82	80	77	82	"	"		2	"
11	7	0	197.1	"	"	3			30.19		82	79	77	82	"	"		2	"
Mid.	7	3	204.4	"	"	2			30.17		83	79	77	82	"	"		2	"

under the command of Commander Richard P. Davenport, U. S. Navy,

Thursday, November 29th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fine and pleasant. Moderate breeze from N.N.E. On course S. 79° W. under steam on 3 boilers, fore and aft sail, and forecast. At 1 A.M. took in the sail, the wind falling light. Barometer falling. Av. rev. 69. Av. revs. 117.

W. W. Wilson
Lieutenant, U.S.N.

4 to 8 A.M.

Clear and pleasant. Gentle breeze from N.E. Barometer raising. At 5:00 mustered and sent apprentices unmustered. At 7:00 released R. T. Lewis, Q.M.C. and S. Johnson, M. Ats. from confinement. At 8:00 released A. Smith, Sea., from confinement. Ship on course S. 89° W. (Fac) and steaming under three boilers. Ship rolling 6 per min. 15° each side. Trying small patches of sail. Av. at 8:05. Av. revs. 43.5. At 8:00 Land reported 2 points forward of port beam [illegible] abaft.

R. W. Hendren
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and warm. Bright breeze from N.E. to N.N.E. Steering fac. S. 89° W. Steaming with 3 boilers. At noon 2d sighted at 8 A.M. Cor. points fore & aft beam. At 11:00 sighted Sombero 2d Light House on port bow. Dly. 60 went to quarters. Usual Sunday Inspection in honor of this being Thanksgiving Day. Av. at 51. Av. revs. 43.4. Set clock back 6 min. between 11 & 12.

E. H. Beach
Lieutenant, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle N.E. by E. to N.N.E. by E. breeze. Barometer falling. Ship rolling 6 per min. 15° fore and 12° abaft, 1° N.E. by E. swell. At 12:05 Log 89, changed course to N. 79° W. (Fac) Set forecast at 4:00. Sighted island of Virgin Gorda W.S.W. at 4:30. At 12:30 Sombero light on port beam Log 95. The board of survey of which Asst. E. G. Beppe was senior member met on the 28th inst. and recommended that the barrel of flour, which was missing in transmission from the after to the forward hotels, be expended. Av. one of water under steam and forecast, on course N. 79° W. (Fac) Log 143. Av. at 143. Av. revs. 43.9.

Ralph Earle,
Ensign, U.S.N.

4 to 6 P.M.

Fine and pleasant. Bright to gentle breeze from N.N.E. Steaming on course N. 79° W. under three boilers, forecast set until 5:30. At 4:50 sighted Tortola 2d. bearing S. 67° W. (Fac) Barometer rising. Went to quarters at 4:30 and held setting up exercises. Av. at 44.8. Av. revs. 44.6.

W. W. Wilson
Lieutenant, U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle breeze from N.N.E. Barometer rising. On course N. 79° W. (Fac). Steaming under three boilers. Tortola 2d. just forward of port beam and Virgin Gorda 2d. abeam at end of watch. At 7:10 confined R. T. Lewis, and S. Johnson in single irons and A. Smith in double irons for night. Ship about steady. Av. revs. 43.7. Av. at 52.0.

R. W. Hendren
Ensign, U.S.N.

8 P.M. to Midnight.

Warm and pleasant. Bright moonlight. Bright to gentle breeze from N.E. Steering fac N. 79° W. until 9:54 when changed course to S. 84° W. fac por. Log 193. At 10:00 observed land on port beam, also on port bow. Av. at 51.2. Av. revs. 43.5. Steaming with 3 boilers. 43.4 [illegible]

E. H. Beach
Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At Sea, making passage from Funchal, Madeira, to San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	7	6	12.8	S. 84° W.	N. E.	4			30 11	82	79	77	81	bc	Cu		1	S.
2	6	7	19.5	"	"	4			30 11	82	79	77	81	"	"		1	
3	7	0	26.5	"	"	4			30 10	82	79	77	81	"	"		1	1
4	7	5	34.0	"	"	4			30 10	82	79	77	81	"	"		1	"
5	7	0	41.0	"	"	4			30 10	82	79	77	81	"	"		1	"
6	6	3	47.3	"	"	4			30 10	82	79	77	81	"	"		4	"
7	7	4	54.7	"	"	4			30 12	81	79	76	81	"	"		4	"
8	7	0	61.7	"	"	4			30 13	81	80	78	81	"	"		4	"
9	5	7	67.4	"	"	4			30 16	81	83	79	82	"	Cum.		3	"
10	5	4	72.8	"	"	4			30 18	82	84	80	81	bcm	Cu		4	"
11	7	1	82.8	Various	Calm	0			30 18	84	86	82	83	"	"		4	"
Noon.			Anchored		N. N. E.	4			30 17	84	87	84	83	"	"		4	"

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Mag. Fm 82-8 | Temp. Air 82-8

Position at noon: Latitude by observation ° ′ ″ — Longitude by observation ° ′ ″ — Latitude by D. R. ° ′ ″ — Longitude by D. R. ° ′ ″

Course made good since preceding noon: Various Courses Coasting

Distance made good since preceding noon: 168 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 13 tons, 1980 lbs.

Coal remaining on hand at noon, 47 " 1650 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	Anchored.			N. N. E.	N. N. E.	4			30 17	84	87	84		bc	Cu		4	
2				"	"	4			30 15	84	87	84		"	"		3	
3				"	"	4			30 12	82	85	81		"	"		3	
4				"	"	4			30 11	82	85	81		"	"		3	
5				N. by E.	"	4			30 11	82	84	80		"	"		4	
6				"	"	4			30 11	82	84	80		"	"		4	
7				"	"	4			30 11	82	82	80		"	"		3	
8				"	"	4			30 12	82	82	79		"	"		4	
9				"	"	4			30 10	82	82	79		"	"		1	
10				"	"	4			30 10	82	82	79		"	"		4	
11				SW by W.	"	4			30 10	82	82	79		"	"		4	
Mid.				"	"	4			30 10	82	82	79		"	"		4	

under the command of Commander Richard P. Davenport, , U. S. Navy,

Friday, November 30th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light N.E. by E. breeze. Barometer fell slightly. Ship rolling 6 per min. 9° each side. Moon set at 12:30. Under steam alone on course S. 84° W. (per) Log 344.0 at end of watch. Av. at 5th Av. revs 43.9.

Ralph Earle,
Ensign, U.S.N.

4. to 8 A.M.

Clear and pleasant. Light N.E. by E. breeze. Barometer rose slightly. Ship rolling 6 per min. Max. roll 15° Abd. 11° port. Under steam on three boilers on course S. 84° W. (per) At 5:00 sighted Cape St. Juan light bearing S. 88° W. gk. 41. At 7:15 Cape St. Juan lt. bore abeam, gk 56 ½ - distant 8 ½ miles. At Daybreak sighted Porto Rico on port bow - Culebra 2d on port beam. 8 o'clock ahead 4 minutes C. Knoth, Fde., released from confinement at all hands. R. Travis, CC 4 C, and S. Johnson, M. Att., released from confinement at 7 A.M. Av. at 5th Av revs 43.

W. W. Wood
Lieutenant, U.S.N.

8. A.M. to Meridian.

Clear and very warm. Variable light airs. Barometer steady. Ship about steady. Steaming at full speed under three boilers with Porto Rico on port bow. At 9:30 went to quarters after which exercised at setting up and fire drill. Unbent sail and made all preparations for coming to anchor. At 11:00 called all hands and stood into San Juan Harbor. Passed by Cruiser Affleur and Torpedo Boat Destroyer Farragut in port. Exchanged following signals with her. Essex. Comat 1, 68. Mayflower. Comat 4 80. Essex. Interr. 81. Mayflower. Affirmative. At 11:30 came to anchor in 4½ fms. water. 15 fms. port chain. Bearings from anchorage - Cape Land 7. 35° E. Christobal Staff N. 1° W., Cruncle Staff N. 76° W. (per) Received visit from port health officer and were granted pratique. Received boarding visit from U.S.S. Mayflower. W. A. Ford, A 2 C, released from confinement, the term having expired, and C. J. Wunderlich, A 1 C, placed in C.C. in 4th W. for 3 days at hard labor for punishment. R. T. Travis, CC 4 C, and S. Johnson, M. Att., confined in double irons for safe keeping. Call for fire and rounds and 4th Boilers and 2 boilers distilling with 4 boiler.

W. W. Woodson
Ensign, U.S.N.

Meridian to 4 P.M.

Warm and pleasant. Light breeze from N.W. to N.E. Rattling down boat rigging. At 3 P.M. called Quarters of ship's work on entering port. Comdg. Officer called upon Commandant of Naval Station, Comm. and Senior Military Officer in Command. Officer from General in Command or above called officially upon Comdg. Officer.

E. Beach.
Lieutenant, U.S.N.

Stowed port boxes of all guns of main & secondary battery.

4. to 8 P.M.

Clear and very warm. Light breeze from N.N.E. Barometer steady. At 4:30 mustered at quarters. Confined the following prisoners for the night as per punishment. Knoth, J. Layer, A. Thomette, E. J. Hoyle, J. C. Sheridan, gk 21 C, and A. Knoth, Fde., Distilling.

W. W. Woodson
Ensign, U.S.N.

8. P.M. to Midnight

Clear and pleasant. Light breeze from N.N.E.

E. Beach. Lieutenant, U.S.N.

Approved Richard P. Davenport
Commander U. S. Navy
Commanding.

Examined and found to be correct.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

4-356

LOG of the UNITED STATES Training Ship Essex 2nd Rate,

At Anchor, San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Aby Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				WSW	SW	1			30.10	82	79	78		b.c.p.	Cu N	NW	7	S
2				SW	"	1			30.09	82	79	78		"	"	"	7	"
3				West	"	2			30.07	80	78	77		bc	Cu	"	2	
4				WNW	Calm	0			30.05	79	77	77		"	"	"	2	
5				SbW	"	0			30.04	79	75	74		"	Cu S Cu Cu	"	3	
6				"	"	0			30.04	79	75	74		"	"	"	5	
7				"	SSW	1			30.05	79	76	75		"	"	"	2	
8				SSW	"	2			30.12	79	78	76		"	"	"	2	
9				WbS	Calm	0			30.12	80	80	78		"	"	"	2	
10				WSW	"	0			30.12	80	82	80		"	"	"	2	
11				NW	NNW	1			30.12	80	84	82		"	"	"	2	
Noon.				NE	"	1			30.13	80	83	82		"	"	"	2	

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″

Mag Temp 3 a 85-83 Aft. 83-81.

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at noon, 22850 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 45 " 545 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Aby Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1				NNE	NE	1			30.13	80	83	81		bc	Cu	—	3	
2				"	"	1			30.10	80	83	79		"	"	—	3	
3				"	NNE	1			30.09	80	83	80		"	"	—	4	
4				"	"	1			30.07	80	83	80		"	"	—	4	
5				ENE	NE	1			30.07	81	82	80		bcm	"	—	6	
6				"	"	1			30.08	80	80	79		"	"	—	7	
7				"	"	2			30.09	80	79	78		"	"	—	5	
8				"	"	1			30.08	80	78	79		"	Cu	—	4	
9				ESE	SW	2			30.05	81	75	77		bc	"	8	5	
10				SSW	"	1			30.11	80	77	77		"	"	—	4	
11				"	Calm	0			30.12	81	77	77		"	"	—	3	
Mid.				South.	"	0			30.12	79	77	77		"	"	—	4	

4—2-5

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday, December 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Clear and fine. Passing showers first half. Calm and light airs & breezes from S.W. Distilling.

F. P. Baldwin Lieut. U.S.N.

4 to 8 a.m.

Clear calm and pleasant. Light breezes from SSW in latter part of watch. Barometer rising. Did not send apprentices over mast head because of rattling down rigging. Crew engaged in rattling down all rigging. At 7 a.m. sent fixing party on shore in charge of Lieut. Baker and Ensigns Earle and Henderson. Received in Supplies and Accounts 176 lbs. fresh bread, 220 lbs. fresh beef and 220 lbs fresh vegetables for crew.

E. F. Leiper, Lieut. U.S.N.

8 a.m. to Merid.

Fair and warm. Calm and light airs from NNW. Field day of cleaning. At 10:15 the Governor of Porto Rico paid an official visit on board. Upon his leaving a salute of seventeen guns was fired, with U.S. Colors at fore. Later, Commandant of Naval Station called. Later, Commanding Officer paid official visit to Mayflower. General Commanding on shore sent word that he would call upon Comdg. Officer at 3 p.m. Finished rattling down rigging; lifted guns of main battery, cleaned rollers and roller paths. Distilling; E. H. Thornett, 3rd Class, was this day declared a deserter.

E. L. Beach
Lieutenant, U.S.N.

Merid. to 4 p.m.

Clear and warm. Light airs to NE and NNE. Barometer falling. At 1:30 sent party of men and boys ashore for target practice in charge of Lieut. Baker, Ensigns Earle and Henderson. Paid monthly money to crew. At 3:00 Brigadier General Davis, Commanding military forces ashore called officially on the Captain and on leaving was saluted with eleven guns. The Captain of the Mayflower called officially on the Captain. Tested magazine flood cocks and drains. All in good order except torpedo room drain.

F. P. Baldwin Lieutenant, U.S.N.

4 to 8 P.M.:

Fair and warm. Light airs from NE. Distilling. Confined for night by order of Commanding Officer apprentices Hayes, Thornette, Hauck, Lager, Sheridan.

E. L. Beach
Lieutenant, U.S.N.

8 P.M. to Midnight: Clear and fine. Bright moonlight. Calm and light airs from SW. At 9:00 finished distilling and put fires out in A boiler.

F. P. Baldwin Lieutenant, U.S.N.

E. F. Leiper, Lieut. U.S.N.
Navigator.

Examined and found to be correct.

4—266

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor San Juan. Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb	TEMPERATURE. Air, Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, sometimes.	State of the Sea.
A. M.																		
1				S W.	West.	1			30.12.	78	78	76		b-c.	Cu		2	
2				W S W.	"	1			30.13	78	77	75		"	"		0	
3				W by S	"	1			30.18	78	77	75		"	"		1	
4				"	"	1			30.13	78	77	74		"	"		1	
5				S S W.	S W.	1			30.13	78	77	74		"	S Cu		3	
6				"	"	1			30.13	78	75	74		"	"		3	
7				S by E.	"	1			30.13	78	75	74		"	"		3	
8				"	"	1			30.13.	80	75	77		"	"		2	
9				South.	"	1			30.18.	81	80	78		b-c-m.	Ci. Cu		3	
10				"	Calm	0			30.17.	82	80	79		"	"		3	
11				"	S W.	1			30.17	84	79	81		"	"		3	
Noon.				"	"	1			30.18.	84	85	81		"	"		3	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Var. Jump. Aft. 88-83 83-81.
Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, tons, 2000 lbs.

Coal remaining on hand at noon, 44 " 785 "

P. M.																		
1				N N W	N W.	2			30.14.	83	84	81		b-c-m	Ci. Cu		4	
2				N by E	North.	2			30.14.	83	83	81		"	"		3	
3				"	"	1			30.11.	82	81	80		"	"		2	
4				N N E	N N E	2			30.10.	82	82	79		"	"		2	
5				"	"	2			30.10.	82	82	79		"	"		3	
6				"	"	2			30.10.	82	81	79		"	"		3	
7				"	"	2			30.08.	82	81	79		"	"		3	
8				"	"	2			30.07.	82	81	79		"	"		3	
9				East	N E	2			30.12.	82	80	79		b-c-f	Cu		5	
10				E by S	"	2			30.14.	82	80	78		"	"		6	
11				"	East.	2			30.16	81	79	77		b-c.	"		7	
Mid.				"	"	2			30.18.	80	78	77		"	"		7	

4-2-5

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday December 2d, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Clear and fine. Light airs from West. Barometer steady. Moon set at 2.15

W. W. [illegible] 4 A.M.

Lieutenant, U. S. N.

4 to 8 A.M.

Clear and pleasant. Light airs from S.W. Released from Confinement by order of Commanding Officer F. F. Hayes, A. Thornett, C.H. Stanch, E.J. Hayes, J.E. Sheridan Apprentices 3rd class.

E. L. Beach.

Lieutenant U. S. N.

8 A.M. to Meridian.

Clear and warm. Calm and light airs from S.W. Barometer steady. At 9.0 mustered at quarters. Absentee E. H. Thornette [Ord 3d Class] without leave. All hands to muster at 9.00 and published Articles for the better Government of the Navy. The Captain inspected the Ship. The Chaplain held Divine Service at 10.0. A reward of twenty dollars [$20.00] was offered the Police Authorities of San Juan for the arrest and delivery on board of E. H. Thornette [Ord 3d Class]. H. Paraton [Ord] reported for expiration of his term of enlistment.

F. R. Baldwin Lieutenant U. S. N.

Meridian to 4 P.M.

Clear and warm. Light variable breezes. Barometer falling slowly. Sent liberty party ashore. Awaiting party from the Mayflower came aboard at 1.0. At 1.40 Sent waiting party to Mayflower. Acting appointment of A. Kelly [Ord] revoked by order of Bureau of Navigation # 236300 from October 1st 1900.

W. W. [illegible]

Lieutenant U.S.N.

4 to 8 P.M.

Clear and warm. Light breezes from N.N.E. Barometer falling. At Sunset confined in double irons for the night A. Thornett [Ord 3c] E.J. Hayes [Ord 3c] C.H. Stanch [Ord 3c] F.F. Hayes [Ord 3c] and J.E. Sheridan [Ord 3c].

F. R. Baldwin Lieutenant U. S. N.

8 to Midnight.

Clear to cloudy. Slight showers at 1 P.M. Light variable breezes. Barometer rising. C. Hopkins [Ord] left Gig without permission while on a trip waiting for Commanding Officer. C. Hopkins [Ord] returned aboard at 9.35 P.M.

W. W. [illegible]

Lieutenant

Examined and found to be correct.

F. F. Lee

Lieut. U.S.N.

Navigator.

4—266

LOG of the UNITED STATES Training Ship "Essex". 3rd Rate,

At anchor San Juan Puerto Rico.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 to 8.	State of the Sea.
A. M.																		
1				S W.	East.	2.			30.18.	80	78	77		b c	Cu-S	N Cu	5	
2				W S W.	"	2.			30.18.	80	78	77		"	"	"	5	
3				"	S E.	2.			30.16.	80	78	77		"	"	"	5	
4				"	"	2.			30.14.	80	78	77		"	"	"	1	
5				S by E.	S S W.	1.			30.14.	79	75	74		"	"	—	1	
6				"	"	1.			30.14.	79	75	74		"	"	—	3	
7				South.	"	1.			30.15.	79	75	74		"	"	—	3	
8				"	"	1.			30.16.	80	79	76		"	"	—	1	
9				"	Calm.	0.			30.21.	79	84	82		"	Cu. Cu.	—	4	
10				"	East.	0-1.			30.22.	79	89	82		"	"	—	3	
11				"	"	0-1.			30.22.	80	91	84		"	"	—	3	
Noon.				"	"	0-1.			30.22.	81	90	84		"	"	—	3	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp For Aft 85–83. 83–81.
Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 21100 "

Coal consumed during the preceding 24 hours, 43 tons, 2225 lbs.

Coal remaining on hand at noon, " 800 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 to 8.	State of the Sea.
P. M.																		
1				S W.	S W.	2			30.20.	81	85			b-c.	Cu.	N Cu	4	
2				N N E.	N N E.	2			30.20	81	84			"	Ci-Cu	"	4	
3				"	N by E.	2			30.18.	83	84			"	"	"	4	
4				"	"	2.			30.18.	83	84			"	"	"	4	
5				N E	N E.	2.			30.16	83	82			"	"	"	4	
6				East.	East.	2			30.18.	82	81			b-c-m	A Cu	Cu	7	
7				"	"	2			30.18.	82	80			"	"	"	7	
8				E N E	"	3			30.19.	84	80			"	"	"	8	
9				"	"	3			30.20.	83	55			o-c-d	Cu-N.	"	10	
10				S S W.	South	3			30.19.	84	88			o-c-d.	"	"	10	
11				N E	N E by E.	3			30.18.	82	77			"	"	"	10	
Mid.				"	"	1			30.20	83	76			"	"	"	10	

under the command of Commander R. G. Davenport, , U. S. Navy,

Monday, December 3rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to clear and pleasant. Light Easterly and S'Ely breezes. Barometer falling. Moonlight until 3:38 when moon set.

Ralph Earle,
Ensign U. S. N.

4 to 8 A.M.

Clear and pleasant. Light airs from S. & W. Barometer rising. Released from confinement by order of Commanding Officer, Apprentices F. F. Leyer, A. Thornett, C. H. Hauck, C. J. Hayes and J. C. Sheridan. Sent firing party on shore at 7 A.M. W. L. Preston (Ldg) and M. Jacobson (Ord) returned from liberty one hour over time. Turning down rigging.

F. F. Leyer
Lieutenant U. S. N.

8 A.M. to Meridian.

Clear and warm. Light variable to calm. Barometer steady. Turned down rigging, and blacked Ships side. At 8 A.M. P. J. Windecker [A.B.] was released from confinement, and G. C. Kehling [A.B.] was placed in solitary confinement on bread and water for three days in accordance with punishment imposed by Commanding Officer, C. H. Thornett [Gas. 3rd] absentee. The Commanding Officer imposed the following punishments: J. Parkhe [A.B.] and A. J. Wallace neglect of duty, 8 hours extra duty each. C. F. Robinson [A.B.] smoking 4 hours extra duty. M. Jacobson [Ord.] 1 hour over leave continued on 4th class 1 month. W. L. Preston [Ldg.] 1 hour over leave 2nd class. J. M. Fitzgerald [A.B.] out of hammock after hours 8 hours extra duty. C. R. Haworth [A.B.] not going in boat to relieve boat keeper 6 hours extra duty. Visiting Committee of Wardroom Officers made calls on U. S. S. Mayflower and U. S. Naval Station of San Juan. An oar was broken in the dinghy by pulling during a trip. The inner pennant of port lower boom unhooked and fell overboard. Firing party returned at 12 M.

W. W. Gibson
Lieutenant U. S. N.

Meridian to 4 P.M.

Fair and very hot. Light variable breezes. Barometer fell slightly. At 1.10 lighted fire under boiler "C" for distilling purposes. At 1.10 sent firing party and Apprentices ashore to the army range. Conducting the quarterly examination of Apprentices. Completed blacking outside of ship at 3.00

Ralph Earle,
Ensign U. S. N.

4 to 8 P.M.

Fair and pleasant. Light to gentle Easterly breezes. Barometer steady. At 6.30 A. Thornett [A.B.] C. J. Hayes [A.B.] C. H. Hauck [A.B.] F. F. Leyer [A.B.] and S. Johnson [Mate] and R. J. Lewis [O.C. 4th] placed in double irons for the night. Finished mustering in and turning all the 4" guns. Firing party returned at 5.10. Three rear flys broken by firing party. Commenced distilling at 5.30.

W. W. Gibson
Lieutenant U. S. N.

8 P.M. to midnight.

Overcast, cloudy and raining. Gentle variable breezes to airs. Barometer nearly steady. Distilling.

Ralph Earle
Ensign U. S. N.

Examined and found to be correct.

F. F. Leyer, Lt
Navigator.

4—216

LOG of the UNITED STATES Training Ship "Essex" 3d Rate,

At anchor San Juan, Puerto Rico.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, saturate.	State of the Sea.
A. M.																		
1				N by E.	E by N. E.	2.			30.19.	83.	80.	79		c-c-f.	Cu-N.	E.	10.	
2				"	East.	4.			30.18.	83.	80.	79		"	"	"	10.	
3				"	E by N. E.	4.			30.16.	83.	79.	78.		c-c.	"	"	10.	
4				N. E by E.	"	4.			30.16.	81.	79.	78.		"	"	"	10.	
5				S by W.	"	3.			30.15.	81.	79	78.		c-c-f.	"	"	10	
6				N E.	"	3.			30.15	81.	79.	78.		"	"	"	10.	
7				E by N.	N E.	3			30.17	80.	79.	78.		b-c-g.	Cu-N.	S E.	8.	
8				N E by E.	"	4			30.19.	80.	79.	77.		"	"	"	8.	
9				"	"	4			30.21.	81.	81.	79.		"	Cu-N.	E.	6	
10				E by N.	E by N.	4			30.23.	81.	82.	80.		"	"	"	6.	
11				"	"	4			30.23.	83.	83.	81.		"	"	"	7	
Noon.				"	"	4			30.22.	81.	84.	81.		"	"	"	7.	

Position at 8 A. M. { Latitude by ° ' " Mag Jump
Longitude by ° ' " 3rs Aft.

Position at noon: { Latitude by observation ° ' " 85-83. 83-81.
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 42 " 365 "

P. M.															
1			E by N.	N E.	4.		30.19.	82.	84.	82		b-c-m.	S E & E.	none	6.
2			"	"	4.		30.16.	82.	84.	81.		"	"	-	6.
3			"	"	4.		30.16.	83.	85.	82.		"	"	-	8.
4			"	"	4.		30.16.	83.	85.	82.		"	"	-	8.
5			"	"	4		30.18.	83.	80.	80.		b-c-g.	"	-	6.
6			E by S.	E by S.	4		30.17.	83.	80.	80.		"	"	-	8.
7			E S E.	"	4		30.18.	83.	80.	80.		"	"	-	6.
8			"	"	2.		30.15.	83.	80.	80.		"	"	-	8.
9			"	"	2.		30.19.	83.	80.	79.		b-c.	"	-	7.
10			S E.	"	2.		30.19.	81.	79.	78.		"	"	-	6.
11			"	"	2.		30.19.	81.	79.	78.		"	"	-	6
Mid.			E S E.	"	2.		30.19.	81.	79.	78.		"	"	-	6.

under the command of Commander R. G. Davenport, , U. S. Navy,

Tuesday December 4th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 P.M.

Overcast with light passing showers. Light to moderate breezes from E to NE. Barometer falling. Steaming

R W Henderson
Ensign U. S. N.

4 to 8 P.M.

Clear and pleasant generally. Light passing showers in first half. Barometer rising. Gentle breezes from E to NE and NE. overtime. By order of the Commanding released from confinement in

List of Provisions and Clothing and Small Stores received on board the Hd & Essex on December 4, 1900 at Sanguen Porto Rico

E. F. Leiper
Lieutenant U. S. N.

Provisions

50	Lbs. Apples	3500	Lbs. Flour	300	Lbs. Rice
140	Gal. Beans	480	" Ham	90	Gal. Syrup
480	Lbs. Corn Beef	480	" Mutton	2183	Lbs. Sugar
480	" Roast "	50	" Peaches	78	" Tea
500	" Salt "	570	" Pickles	232	" Tomatoes
288	" Butter	1100	" Pork	450	" Vegetables
650	" Coffee	80	" Raisins	96	Gal. Vinegar

Clothing & Small Stores

100	Neckerchiefs	4	Hospital App. Marks
2	" Rating Badges (Blue)	900	Lbs. Soap
2	" " (White)	200	" Tobacco.

monitor) rose slightly. At 7.30 mustered at a reward of $10.00 was offered for delivery in having expired and G. J. Taylor (1856) sent assigned. From 7.30 to 7.40 exercised & returned on board at 11.45. A.M. M.S. & by the battery at San Cristobal. Unusually unsatisfactory and fighting in Pay Department 176 lbs of bread and 2½ hours over time

Ralph Earle,
Ensign U. S. N.

, apprentices in Ordnance and Electrics. At 3.00 commenced receiving and visit to H.M.S. Psyche

R W Henderson
Ensign U. S. N.

4 to 8 P.M.

Generally fair and pleasant. Moderate to light N'ly to E by S'ly breezes. The acting appointment of D. J. Hennessy hospital apprentice was renewed for six months from this date. The Captain of H.M.S. Psyche returned the Captains call. Finished taking pay masters stores on board. Made preparations for coaling. Coal lighter came alongside at 5.00. Placed W. Johnson (mate) in double irons for 10 days by order of the Captain for cheeking and forgoing sickness. Placed in double irons for the night as per punishment assigned A. Thornett, E. J. Hayes, G. H. Hauch, J. J. Lyons apprentices 1st class, and J. Whelton (163 C) and A. Heath (dec). Received in Pay Department from General Store Ry the following:- [cooper bar].

Ralph Earle
Ensign U. S. N.

8 to Midnight.

Partly clear with passing showers. Moonlight. Light breezes from E by S. Barometer steady.

R W Henderson
Ensign U. S. N.

Examined and found to be correct.

E. F. Leiper, Lt.
Navigator.

4-02

under the command of Commander R. G. Davenport. , U. S. Navy,

Tuesday December 4th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.

Overcast with light passing showers. Light to moderate breezes from E to NE. Barometer falling. Distilling

Ensign U. S. N.

4 to 8 A.M.

Clear and pleasant generally. Light passing showers in first half. Barometer rising. Gentle breezes from E to NE and NE. At 7 A.M. sent fining party ashore. Es. Lejeune (Sea) returned from liberty one hour over time. By order of the Commanding Officer apprentices A. Thornett, E. Hayes, E. H. Hanch and F. F. Lyon were released from confinement in accordance with punishment assigned.

E. F. Lieper
Lieutenant U. S. N.

8 A.M. to Meridian.

Es. windy and squally with light rains. Moderate NE'ly and E to E'ly breezes. Barometer rose slightly. At 9.30 mustered at quarters, absentees E. H. Thornett (pris.) J. J. Quinlan (31C.) and J. Graves (Sea), and a reward of 10c. was offered for delivery on board of the last two. R. E. Partridge (48C.) was released from confinement his term having expired and E. J. Eagles (48C.) was placed in solitary confinement on bread and water for 5 days as per punishment assigned. From 9.10 to 9.40 exercised at setting up drill. Conducting quarterly examination of apprentices. Fining party returned on board at 11.45. H.M.S. Psyche came in and anchored at 10.15. She fired a national salute which was returned by the battery at San Cristobal. The Captain assigned punishments as follows: J. G. Knoth (Sea) and J. Whelton (46C.) continually squabbling and fighting 10 nights double irons, E. Lejeune (Sea) one hours over leave 2nd class. Distilling. Received in Pay Department 176 lbs of bread and 220 lbs each of meat and vegetables. J. J. Quinlan (31C.) and J. Graves (Sea) returned on board 3½ hours over time

Ralph Earle,
Ensign U. S. N.

Meridian to 4 P.M.

Clear and warm. Moderate breezes from N. E. Barometer steady. Examining apprentices in Ordnance and Signals. At 1.45 stopped distilling the tanks being full, and banked fires under "A" boiler. At 3.00 commenced receiving stores in Pay Department. The Commanding Officer left the ship to pay an official visit to H.M.S. Psyche

Ensign U. S. N.

4 to 8 P.M.

Generally fair and pleasant. Moderate to light NE'ly to E by S'ly breezes. The acting appointment of D. J. Hennessy hospital apprentice was renewed for six months from this date. The Captain of H.M.S. Psyche returned the Captains call. Finished taking provisions stores on board. Made preparations for coaling. Coal lighter came alongside at 5.00. Placed W. Johnson (Mess) in double irons for 10 days by order of the Captain for shirking and feigning sickness. Placed in double irons for the night as per punishment assigned A. Thornett, E. J. Hayes, E. H. Hanch, F. F. Lyon apprentices 3rd class, and J. Whelton (46C.) and A. Knoth (Sea). Received in Pay Department from General Store No. the following:- [illegible].

Ralph Earle
Ensign U. S. N.

8 A Midnight.

Partly clear with passing showers. Moonlight. Light breezes from E by S. Barometer steady.

Ensign U. S. N.

Examined and found to be correct.

E. F. Lieper, Lt.
Navigator.

4—226

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

At anchor San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				E S E.	East.	1.			30.19.	81.	80.	79.		b.c.f.	Cu.N.	—	7.	
2				"	"	1.			30.20.	81.	81.	79.		"	"	—	6.	
3				South.	S by W.	1.			30.19.	80.	81.	79.		"	"	—	8.	
4				"	"	1.			30.20.	82.	81.	80.		"	"	—	7.	
5				"	South.	1.			30.21.	81.	80	79		"	"	S E	5.	
6				S S E.	"	1.			30.21.	80.	78.	78.		"	"	"	3.	
7				W S W.	"	1.			30.19.	80.	78.	78		b.c.	Cu.N.	"	5.	
8				West.	Calm.	0.			30.18.	80.	79.	78.		"	"	"	2.	
9				E N E.	N E by E	2.			30.19.	81.	79.	80.		b.c.f.	"	"	6.	
10				"	"	2.			30.19.	80.	83.	80.		b.c.	"	"	4.	
11				"	"	2.			30.20.	81.	85.	80.		b.c.f.	"	"	5.	
Noon.				"	"	2.			30.20.	81.	85.	80.		b.c.	"	"	3.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag. Temp. For. 85-83. Aft. 83-81.

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1700 lbs.

Coal remaining on hand at noon, 41 " 905 "

P. M.																		
1				East.	East.	3.			30.20.	82.	84.	80.		b.c.m.	Cu.	E.	4.	
2				"	"	3.			30.19.	83.	84.	80.		"	"	"	4.	
3				"	"	3.			30.18.	83.	84.	80		"	b.c.	"	3.	
4				N E by N.	E N E	2.			30.17.	83.	83.	80.		"	"	"	4.	
5				"	"	2.			30.16.	83.	82.	80.		"	"	"	4.	
6				"	"	2.			30.15.	83.	80	79.		b.c.m.d.	b.Cu.N.	"	6.	
7				S S W.	"	2.			30.17.	80.	79.	78.		b.c.m.	Cu.N.	"	6.	
8				"	"	2.			30.19.	80.	79.	78		"	"	"	6.	
9				S E by E.	E S E.	2.			30.21.	81.	79.	78.		b.c.f.	"	"	7.	
10				"	"	2.			30.22.	81.	79.	78		b.c.m.	"	"	5.	
11				S E.	S E.	2.			30.22.	82.	78.	77		b.c.f.	"	S E	7.	
Mid.				"	"	2.			30.22.	82.	78.	77		"	"	"	5.	

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday December 5, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant with occasional passing showers. Light variable airs from East and South.

E. L. Beach
Lieutenant U. S. N.

4 to 8 A.M.

Fair to pleasant with heavy rain at 5.30. Light Southerly airs and calm. Began coaling at 6.00 from lighters on port side. Received in Pay Department 176 lbs pork, bread and 220 lbs each of meat and vegetables. Did not send apprentices over masthead on account of rigging having been freshly tarred and rattled down. Released from confinement according to assigned punishment, A. Thornett, Ed J. Hayes, Ed H. Hauck, 33 Sayer, apprentices 3d class, J. Bretton (Ed & 3d) and A. Kurth (Edr).

Ralph Earle,
Ensign, U. S. N.

8 A.M. to Meridian.

Partly clear and warm, passing showers. Light breezes from N.E. to E. Barometer steady. Absentees Ed H. Thornett (gun 3d) absent without leave. Coaling ship from lighter on port side entire watch. J. Cunlan (3d) confined in double irons to await action of Commanding Officer for being drunk on board ship. The Commanding Officer left the ship officially. Red D Steamer Philadelphia left port. At 9.00 started distilling with 2 boils.

R. W. Hendren
Ensign U. S. N.

Meridian to 4 P.M.

Fair and warm. Gentle breeze from E.N.E. to E. Finished coaling, 121 tons in all having been received on board. Then field day of cleaning. Officers from British ship Bayale called. Distilling.

E. L. Beach
Lieutenant U. S. N.

4 to 8 P.M.

Partly clear with passing showers. Light breezes from E.N.E. Barometer rising. At 5.00 mustered at quarters and served out clean hammocks. At 6.00 let fires die out in 2 boilers and stopped distilling and lowered smoke pipe. Confined for the night as per punishment assigned A. Thornett, Ed J. Hayes, Ed H. Hauck, 33 Sayer, apprentices 3 class and J. Bretton (Ed & 3d) and A. Kurth (Edr)

R. W. Hendren
Ensign U. S. N.

8 P.M. to Midnight.

Overcast and cloudy. Light breezes from E.

E. L. Beach
Lieutenant U. S. N.

Examined and found to be correct.

E. F. Leopler,
Lieutenant U. S. N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor San Juan Puerto Rico

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forces.	CLOUDS. Amount, sextants.	State of the Sea.
A. M.																		
1				S S E.	S E.	1.			30.20	79.	78.	78.		b.c.w.	S Cu.	E.	3.	
2				"	"	1.			30.19.	79	78.	78.		"	"	"	3.	
3				S S W.	"	1.			30.19.	79.	78.	77.		b.c.	"	"	4.	
4				"	"	1.			30.19.	79.	78.	77.		"	"	"	4.	
5				"	"	1.			30.18.	79.	78.	77.		b.c.w.	"	"	4.	
6				West.	Calm.	0.			30.18.	79.	78.	77.		"	"	S E.	3.	
7				"	"	0.			30.18.	79.	78.	77.		b.c.	Cu.	"	3.	
8				"	"	0.			30.18.	79.	78.	77.		"	"	"	3.	
9				"	"	0.			30.18.	79.	81.	79.		"	"	"	3.	
10				"	"	0.			30.18.	79.	83.	80.		"	"	"	3.	
11				E by N.	East.	3.			30.20.	81.	85.	81.		"	"	"	2.	
Noon.				"	"	3.			30.21.	81.	87.	83.		"	"	"	2.	

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″ (Mag Temp. For. Aft. 84-83. 83-82.)

Position at noon: Latitude by observation ° ′ ″ — Longitude by observation ° ′ ″ — Latitude by D. R. ° ′ ″ — Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 2000 lbs.

Coal remaining on hand at noon, 161 " 1146 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forces.	CLOUDS. Amount, sextants.	State of the Sea.
P. M.																		
1				E by N.	East.	3.			30.21.	81.	87.	83.		b.c.	C-Cu.	S E.	3.	
2				"	"	3.			30.21.	81.	87.	83.		"	S Cu.	"	2.	
3				E N E.	E N E.	3.			30.19.	81.	87.	83.		"	Cu.	S W.	2.	
4				"	"	3.			30.20.	83.	84.	80.		"	"	"	2.	
5				"	"	3.			30.21.	83.	84.	80.		"	S Cu.	"	2.	
6				East.	East.	3.			30.21.	83.	83.	80.		b.c.m.	Cu. N.	E.	7.	
7				"	"	3.			30.20.	84.	81.	80.		"	"	"	5.	
8				S E by S.	E S E.	2.			30.18.	84.	79.	78.		b.c.g.	"	"	7.	
9				S S E.	S E by S.	2.			30.18.	84.	80.	79.		"	"	"	7.	
10				E by S.	E S E.	1.			30.19.	84.	83.	82.		"	"	"	7.	
11				E S E.	"	1.			30.20.	84.	83.	81.		"	"	"	7.	
Mid.				"	Calm.	0.			30.19.	83.	83.	80.		"	"	"	6.	

under the command of Commander R G Davenport , U. S. Navy,

Thursday December 6th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Clear and fine. Light airs from S & E. Bright moonlight.

F. B. Baldwin Lieutenant U. S. N.

4 to 8 A M.

Clear and warm. Calm. Barometer steady. At 5:30 sent down top gallant yards. Scrubbed hammocks. Released prisoners who were confined for the night. Received in Pay Department the following fresh provisions, 176 lbs bread and 220 lbs each of meat and vegetables.

R W Henderson
Ensign U. S. N.

8 A M to meridian.

Fair and warm. Calm to gentle breze from East. Went to quarters at 9:30. Drill omitted because of rowing Officer. J J Quinlan [3d C] leaving Eq without permission was extra duty. F J Hearty [Eq 3d] from [Gun] leaving working party 5 hours extra duty. J R Nolan [Q 3d] on board ship. continued on 4th class [illegible] smoking while work was going on, ver of 6 pdr gun over board, 5 hours [illegible]ebling [Q 3d] were released from confinement. and C Crawford [Q 3d] was placed in solitary confinement on bread and water for 3 days. Signal received from Station. Grant Dr Freeman on board of survey at Naval Station at 2:30 this P M. Operating lever of Stb 6 pdr dropped overboard by T W Snider [Q 3d]

Fish of Clothing received on Board the U.S.S. Cuba on December 6th 1900 at Sangamon, Port. Rico
50 Working Jumpers
50 Working Trousers

E L Beach.
Lieutenant U. S. N.

meridian to 4 P M.

Clear and warm. Gentle breze East and E by N. Barometer falling. Painting spars.

F. B. Baldwin Lieutenant U. S. N.

4 to 8 P M.

Fair and warm. Gentle breze from E by N to East. Went to quarters at 4:30. By order of Commanding Officer the following apprentices 3 class were confined in double irons for night A Thornell, E J Hayes, C H Hauch, F F Layer, also A Knuth [C 3d] and J Whelton [C 3d]

E L Beach.
Lieutenant U. S. N.

8 P M to midnight.

Clear and pleasant. Bright moonlight. Light airs to light breizes from S E by S and E S E Light drizzling rain falling at 10:00.

F. B. Baldwin
Lieutenant U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieutenant U. S. N.
Navigator.

4—26

under the command of Commander R G Davenport , U. S. Navy,

Thursday December 6th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Clear and fine. Light airs from S & E. Bright moonlight.

T P Baldwin Lieutenant U. S. N.

4 to 8 A M.

Clear and warm. Calm. Barometer steady. At 5:10 sent down top gallant yards. Scrubbed hammocks. Released prisoners who were confined for the night. Received in Pay Department the following fresh provisions, 176 lbs bread and 220 lbs each of meat and vegetables.

R W Henderson
Ensign U. S. N.

8 A M to meridian.

Fair and warm. Calm to gentle breeze from East. Went to quarters at 9:10. Drill omitted because of painting spars and masts. Punishments were awarded by Commanding Officer. J J Quinlan [3d C] & J Graves [Ord] 5½ hours over leave and tight, 4th class. J F Hopkins [Cox] leaving Ry without permission while acting as Coxswain, 4th class. A M Duffy [Q 3d C] shirking, 12 hours extra duty. F J Hearty [Q 3d C] introducing liquor into the Navy Yard, 3rd class. C M Kelly [Bm 1st] and J C Bigham [Cox] leaving working party sent ashore, 3rd class. F R Schriver [Q 3d C] neglect of duty, not reporting time, 5 hours extra duty. J A Nolan [Q 3d C] losing government property, 5 hours extra duty. J J Quinlan [3d C] drunk on board ship, continued on 4th class 1 month. O J Kimmel [Cox] continual neglect of duty, 3d class. N A Blood [Q 3d C] smoking while work was going on, 12 hours extra duty. V W Snider [Q 3d C] accidentally dropping operating lever of 6 pdr gun over board, 5 hours extra duty. By order of Commanding Officer J J Quinlan [3d C] and F C Hebling [Q 3d C] were released from confinement, and C Crawford [Q 3d C] was placed in solitary confinement on bread and water for 3 days. Signal received from Station. Grant Dr Freeman on board of survey at Naval Station at 2:30 this P M. Operating lever of 6th 6 pdr dropped overboard by V W Snider [Q 3d C]

E L Beach.
Lieutenant U. S. N.

meridian to 4 P M.

Clear and warm. Gentle breeze East and E N E. Barometer falling. Painting spars.

T P Baldwin Lieutenant U. S. N.

4 to 8 P M.

Fair and warm. Gentle breeze from E N E to East. Went to quarters at 4:30. By order of Commanding Officer the following apprentices 3d class were confined in double irons for night A Thornett, C J Hayes, C H Hauch, F F Layer, class A Knuth [3d C] and J Shelton [3d C]

E L Beach.
Lieutenant U. S. N.

8 P M to midnight.

Clear and pleasant. Bright moonlight. Light airs to light breezes from S E by S and E & S. Light drizzling rain falling at 10:10.

T P Baldwin
Lieutenant U. S. N.

Examined and found to be correct.

E F Leiper
Lieutenant U. S. N.
Navigator.

4—26

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

At anchor San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				E by N	East.	1.			30.17	81.	77.	77.		o-c-f.	Cu-N	E.	10.	
2				E by E	"	1.			30.15	81.	77.	77.		"	"	"	10.	
3				East.	"	2.			30.16	82.	77.	77.		"	"	"	10.	
4				S E by S	E by E	2.			30.16	80.	77.	77.		b-c-f.	"	"	10.	
5				S W.	S by E.	2.			30.16	78.	76.	76.		b-c-w.	Str	S E	7	
6				South.	"	2.			30.16.	78.	76.	76.		"	"	"	7.	
7				"	"	2.			30.16.	78.	76.	76.		b-c	"	"	7.	
8				S W.	"	1.			30.16	78.	77.	77.		"	"	"	7	
9				S E.	S E.	2.			30.19	79.	79.	78.		b-c-m	"	"	6	
10				E by N.	"	2.			30.22	79.	79.	78.		"	"	"	5.	
11				E by N.	E by S E.	3.			30.24	81.	82.	79.		"	"	"	4.	
Noon.				"	"	3.			30.25.	83.	85.	82.		"	"	"	4.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag Temp. For. Aft.

Longitude by ° ′ ″ — 85-84 84-83.

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 161 " 645 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1				East.	E S E.	3.			30.15.	83.	88.	83.		b-c-m.	S Str	-	4.	
2				"	"	3-4.			30.15.	83.	87.	82.		"	"	~	4.	
3				"	"	4.			30.15.	83.	85.	80.		"	"	-	4.	
4				"	"	4.			30.15.	82.	84.	80.		"	"	~	4.	
5				"	"	3.			30.16.	81.	84.	80.		"	"	-	4.	
6				N E.	E N E.	3.			30.16.	81.	83.	79.		"	"	-	4.	
7				"	"	3.			30.16.	78.	80.	78.		"	"	-	4.	
8				S S E.	S E.	3.			30.17.	78.	80.	77.		"	"	-	5.	
9				S E by S.	"	3.			30.17.	78.	78.	77.		"	b-c-f	~	2.	
10				"	"	2.			30.17.	78.	77.	76.		"	"	-	3.	
11				S E.	"	2.			30.19.	78.	77.	76.		b-c-f.	S Cu-N	~	7.	
Mid.				"	"	1-2.			30.19.	78.	77.	76.		"	"	~	7.	

under the command of Commander R. G. Davenport, U. S. Navy,

Friday December 7, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast with frequent showers. Barometer steady. Light Easterly airs

W. P. Wilson
Lieutenant. U. S. N.

4 to 8 A.M.

Fair and warm. Light breze from E. & S.E. By order of Commanding Officer released from confinement the following apprentices 3d class. A. Thornett, E. J. Hayes, E. H. Hauck. F. F. Lagerg also S. M. Ketton (SC 3c) A. Knoth (Mess). Received in Pay Department the following fresh provisions 176 lbs Bread and 230 lbs each of meat and vegetables. Did not send apprentices over mast head on account of rigging having been freshly tarred, & spars painted

E. J. Beach. Lieutenant. U. S. N.

8 A.M. to Meridian

Clear and warm. Light to gentle breze from S.E. and E. & S.E. At 9:30 mustered at quarters, absentee E. H. Thornett (yeo 3c) without leave. Exercised at setting up. At 9:41 sounded call to fire quarters. Divisions reported ready as follows 3d 1 minute, Powder 1 minute, 4th 1½ minutes, 2d 1½ minutes, 1st 2 minutes, Navigators 2½ minutes, 5th 3 minutes. Secured at 9:45. Acting appointment of E. H. Hauk (yeo 1st class) renewed for six months from this date. Received in Ordnance Department for transfer from General Store Keeper, San Juan to General Store Keeper, at any ___ 18 packing cases, 4 rolls paper targets, 33 cases small arm ammunition. The Commandant of the Naval Station called on the Captain.

E. P. Aldrich Lieutenant. U. S. N.

Meridian to 4 P.M.

Clear and warm. Gentle to moderate breze from E. & S.E. At 1 went to quarters for examination of sembled bedding. Bent flying jib, fore and main topmast staysails. Securing boats and making preparations for sea. The U. S. Tug "Uncas" came alongside to unload water & E. Egler (C & C) released from confinement by order of Commanding Officer. J. Sterling (C.P.) confined in ~~cell~~ irons and placed in cell No. [illegible] transfered from U. S. Tug "Uncas" to "Essex" for passage to the U. S. J. Sterling (C.P.) a General Court Martial prisoner received on board for passage to the U. S. P. Schafer (Yeo 3c) U. S. M. C. transfered for passage to the U. S. Barometer steady

W. P. Wilson
Lieutenant. U. S. N.

4 to 8 P.M.

Clear and fine. Gentle breze from E. & S.E. and E. N. E. and S.E. At 4:30 mustered at quarters and exercised at setting up drill. Received in Equipment Department 1500 gallons water for boilers. At sunset confined A. Knoth (Mess) and S. Whetton (SC 3c) for the night.

E. P. Aldrich Lieutenant. U. S. N.

8 P.M. to Midnight.

Fine and pleasant. Bright moonlight to overcast and showery at end of watch. Barometer rising. Gentle to light S.E. breze

W. P. Wilson
Lieutenant. U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieutenant. U. S. N.
Navigator.

4—268

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At anchor San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				E & S E.	S E by E.	2.			30.17.	79.	75.	76.		b c p.	Cu-S.	–	7.	
2				"	"	1.			30.16.	79.	75.	77.		"	"	–	7.	
3				"	"	1.			30.16.	78.	76.	77.		"	"	–	6.	
4				"	"	1.			30.15.	77.	76.	76.		"	"	–	7.	
5				South.	"	2.			30.13.	79.	76.	77.		b c m.	S Cu m. S Cu.		9.	
6				"	"	2.			30.10.	79.	77.	78.		b c p m.	"	"	8.	
7			85.0.	Variou. N 23° W.	"	2.			30.08.	79.	77.	77.		b c m.	"	"	8.	
8	7.	6.	92.6.	"	"	2.			30.13.	79.	77.	77.		b c p m.	"	"	8.	L
9	6.	8.	99.4.	"	"	3			30.12.	79.	77.	78.	82	"	"	"	8.	"
10	5.	9.	5.3.	"	"	4.			30.12.	82.	79.	78.	82	b c.	Cu Cu	"	5.	"
11	7.	0.	12.3.	"	"	4.			30.18.	82.	79.	78.	82	"	"	"	4.	"
Noon.	8.	5.	20.8.	"	"	4.			30.16.	82.	80.	79.	82	"	"	"	4.	"

Position at 8 A. M.: Latitude by D R. 18° 35' 50" N. Mag. Temp.
Longitude by D R. 66° 10' 54" W. For. Aft.
84-83. 83-82.

Position at noon:
Latitude by observation 19° 01' 00" N.
Longitude by observation ° ' "
Latitude by D. R. 19° 00' 02" N
Longitude by D. R. 66° 22' 54" W.

Course made good since preceding noon: N 25° W.

Distance made good since preceding noon: 35.3. miles.

Distance by Log since preceding noon: 34.3 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by D R. 19° 55' 54" N
Longitude by Obs. 66° 57' 30" W

Variation of compass: 1° 30' E

Error of compass observed at 4:36 P M. 2° 26' E

Deviation of compass on N 23° W. 1° 26' E

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 5 tons, 180 lbs.

Coal remaining on hand at noon, 156" 465 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	8.	0.	28.8.	N 23° W.	E & S E.	4.			30.17.	82.	79.	79.	82	o c r.	Cu m. E.	10.	L.	
2	7.	4.	36.2.	"	"	4.			30.12.	82.	79.	79.	82.	b c r.	"	"	9.	"
3	8.	1.	44.3.	"	"	4.			30.11.	82.	81.	81.	82.	b c.	"	"	7.	"
4	7.	6.	51.9.	"	"	4.			30.09.	81.	80.	80.	81.	"	"	"	3.	"
5	7.	7.	59.6.	"	"	4.			30.12.	81.	80	80.	81.	"	Cu S Cu	"	5.	"
6	7.	0.	66.6.	"	"	4.			30.14.	81.	80.	79.	81.	"	"	"	5.	"
7	7.	0.	73.6	"	"	4.			30.15.	81.	81.	79.	81	"	S Cu	"	5.	S.
8	7.	8.	81.4	"	"	4.			30.17.	81.	81.	79.	81.	"	"	"	6.	"
9	7.	0.	88.4	N N W.	"	3.			30.19.	82.	80.	80.	81.	"	Cu m.	"	7.	L.
10	7.	3.	95.7	"	"	4.			30.20.	82.	80.	80.	81.	o c.	S Cu	"	10.	"
11	7.	1.	2.8.	"	"	3			30.21.	83.	80.	80.	81	b c.	Cu Cu	"	6.	"
Mid.	7.	2.	10.0.	"	"	3.			30.19.	83.	80.	79.	81.	"	Cu m.	"	9.	"

4—8.6

under the command of Commander R G Davenport , U. S. Navy,

Saturday December 8th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Generally cloudy to fair with frequent passing rain showers. Light S E & by E & by E airs Bright moonlight. At 1:00 lighted fires under boilers "A", "B" and "D" for steaming purposes.

Ralph Earle,
Ensign U. S. N.

4 to 8 A M.

Generally cloudy and overcast with frequent showers. Made preparations for getting under way and at 6:30 got underway and stood out of harbor under steam on three boilers. At 6:50 put over Patent Log reading 85 Black buoy at entrance to San Juan harbor bearing South (p sc) distance 200 yards, on course N 23° W (p sc). The Navigator examined wheel ropes and found same in good condition. R J Lewis (1 cl c) and J Johnson (Matt) released from confinement and made prisoners at large. Set clock back 12 minutes. Barometer falling. Average steam 47 and average revs 35.5. J Whatton (1 cl s) and A Knuth (Ord) released from confinement.

Lieutenant U. S. N.

8 A M to Meridian.

Partly clear with passing showers. Moderate breeze from S E by E. Barometer rising. On course N 23° W (p sc). Entire watch steaming with 3 boilers. Under all fore and aft sail, except main trysail, and 10:30 bent all sail except main sail, crossed light yards, and made all plain sail except main sail. Field day. Absentee E St Thonnette (1 cl s) absent without leave. J Stealing (C P) taken out of call and confined in double irons on both decks. W J Totten (A S) placed in solitary confinement on bread and water for 3 days as per punishment assigned. Av St 50. Av Revs 39.8.

Ensign. U. S. N.

Meridian to 4 P M.

Overcast and raining until 2 P M. when weather cleared. Moderate breeze from E & S E. Steering N 23° W. Underall fore and aft sail, and all square sail to royals, except mainsail. Took in royals and topgallant sails during rain, and set them again at 2:00, hauled down jib and flying jib, and took in main topmast staysail at 3:30. Steaming with 3 boilers. Av St 53. Av Revs 449

Lieutenant. U. S. N.

4 to 6 P M.

Cloudy and pleasant. Moderate E & S E by E breeze. Barometer rising. Ship rolling about 6° to port at times. At 4:30 went to quarters for muster. Under steam and fore topmast staysail, spanker, trysail all square sail save mainsail, on course N 23° W. (p sc) log 66.6 at end of watch. Av St 53. Av Revs 45.5.

Ralph Earle,
Ensign. U. S. N.

6 to 8 P M.

Clear to overcast. Moderate E & S E breeze. On course N 23° W. Under steam on 3 boiles and all square sail except mainsail, and with fore topmast staysail, main trysail and spanker set. J Whatton (1 cl s) and A Knuth (Ord) confined in double irons for the night. Ship rolling about 5° to 8° at times. Barometer rising slowly. Av St 53.4 Av Revs 45.3. R J Lewis (1 cl s) and J Johnson (matt) confined in single irons for the night. Draft of ship. For 14-8. Aft 16-10.

Lieutenant U. S. N.

8 P M to Midnight.

Clear and pleasant. Gentle breeze from E & S E. Barometer steady. Occasional moonlight. Steaming under 3 boiles and fore topmast staysail and square sail except mainsail having taken in spanker and main trysail at 8:30. On course N 18° W (p sc) having changed to that course at 8:10. Av St 50. Av Revs 42.5.

Ensign. U. S. N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant. U. S. N.
Navigator.

4—216

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At Sea making passage from San Juan, Puerto Rico to Hampton Roads Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb	Air, Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.																		
1	7.	1.	171.	N 18° W.	E & E.	3.			30.18.	81.	80.	79.	81.	b.c.l	L.C.N.	–	4.	L.
2	7.	3.	24.4.	"	"	3.			30.18.	81.	79	78.	81.	"	"	–	9.	"
3	7.	2.	31.6.	"	East.	2.			30.16.	81.	79.	78.	81.	o.c.l.	"	–	10.	"
4	7.	6.	39.2.	"	"	3.			30.14.	81.	79.	78.	81.	"	"	–	10.	"
5	6.	8.	46.0.	"	"	1-2			30.14.	81.	79	79	81.	o.c.l.f.t.	C.N. N &		10.	"
6	6.	9.	52.9.	"	S W.	2.			30.16.	81.	79.	79.	81.	o.c.l.t.	"	"	10.	"
7	6.	9.	59.8.	"	W N W.	3.			30.18.	80	79.	79.	81.	b.c.n.	"	"	7.	"
8	7.	0.	66.8.	"	N by W.	2.			30.21.	80.	79.	77	81.	o.c	"	"	7.	"
9	6.	4.	732.	"	North.	4.			30.21.	80.	79	78.	81.	b.c.f.	"	"	7.	L.
10	6.	9.	80.1.	"	N N E.	4.			30.24	80.	80.	78.	81.	b.c.	C.C.N.	"	4.	"
11	6.	9.	87.0.	"	N E by N	4.			30.25	80.	79	77.	81.	"	"	"	4.	"
Noon.	8.	2.	95.2.	"	"	4.			30.25	80.	79.	78.	81.	"	"	"	4.	"

Position at 8 A. M.: Latitude by D R. 21°15'36" N. Mag Temp.
Longitude by D R. 67°22'57" W. For. Aft.

Position at noon: Latitude by observation 21°46'14" N. 83-82. 82-81.
Longitude by observation 67°37'54" W.
Latitude by D. R. 21°41'30" N.
Longitude by D. R. 67°33'36" W.

Course made good since preceding noon: N 23° W.

Distance made good since preceding noon: 180 miles.

Distance by Log since preceding noon: 1744 miles.

Current per hour: 0.25 miles, set N 40° W. true.

Position at 8 P. M.: Latitude by D R. 22°35'08" N.
Longitude by Obs. 68°00'30"

Variation of compass: 2° W'ly

Error of compass observed at 4:30 P M. 3°-4' W'ly

Deviation of compass on N 20° W. 1°-4' W'ly

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1008 "

Coal consumed during the preceding 24 hours, 11 tons, 436 lbs.

Coal remaining on hand at noon, 145 " 1049 "

P. M.																		
1	7.	0	2.2.	N 21° W.	N E by E	4.			30.25	80.	79.	78.	81.	b.c.	C.n.	–	4.	L.
2	6.	4	8.6.	"	N N E.	4-5.			30.23.	80.	79.	78.	81.	"	"	–	4.	"
3	6.	4.	12.4.	"	"	5.			30.20.	80.	79.	78.	81.	"	"	–	4.	"
4	6.	5.	18.9.	"	"	5.			30.20	80.	80	79.	81.	"	"	–	4.	"
5	5.	6.	24.5.	N 22° W	"	5.			30.23.	81.	79.	78.	80.	b.c.n.	C.C.N.C.		7.	"
6	7	5.	33.0.	"	N E by N.	5.			30.26.	82.	79.	78.	80.	"	"	"	9.	"
7	7.	3.	39.3.	N 20° W.	N E by E	5.			30.28.	80.	78.	77.	80.	b.c.	C.n.N.	"	7.	N.
8	6.	9	46.2.	"	"	6.			30.30.	80.	77.	77.	80.	"	"	"	7.	"
9	6.	6.	52.8.	"	N E by N.	5.			30.30.	80.	78.	77.	80.	"	"	"	5.	"
10	6.	7.	59.4.	"	"	6.			30.30.	80.	77.	76.	80	"	"	"	6.	"
11	6.	7.	66.1.	"	"	5.			30.30.	80	77.	77	80	"	C.n.	"	7.	"
Mid.	6.	0.	72.1.	"	"	5.			30.30.	80.	76.	75.	80.	"	"	"	7.	"

4-95

under the command of Commander R S Davenport. , U. S. Navy,

Sunday December 9th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Generally overcast and cloudy. Light to gentle breze from E & S E to East. Steaming with 3 boilers. Under fore topmast staysail and square sail to royals except main sail. Steering N 15° W. (p.c.) Av Sl 32. Av Revs 428

E K Benson

Lieutenant. U. S. N.

4 to 8 A M.

Overcast & cloudy weather with lightning and thunder first half. Variable light breezes from East through South to N by W. Barometer rising. At 4:30 took in and furled all sail. At 5 00 mustered and sent apprentices over masthead. Shut coal below to fire room from gun deck. At 7 00 set head sails and main topmast staysail; taking them in at 7:45 Hoisting 6 cask side 6 per minute. to Capt's gig. Released A Knoth (Sdt), J Whitton (SC3), J Johnson (Mate) and R J Lewis (SC4) according to punishment assigned. At end of watch under steam alone on course N 15° W. (p.c.) by 66. S. Sl 31. Av Revs 43.

Ralph Earle,

Ensign. U. S. N.

8 A M to Meridian.

Overcast and showery to fine and pleasant last half. Moderate Northerly breze hauling to N E by N. At end of watch on course N 15° W. under steam on three boilers with fore and aft sail and fore sail set. At 9:30 went to quarters. The Commanding Officer inspected crew and ship. C C Crawford (OS3) released from confinement his term having expired. W Blood (OS3) placed in solitary confinement on bread and water for three days. The Chaplain held divine service. At 10:30 the clock was set back 5 minutes. Barometer rising. Ex H. Thomette (ps 3d) absente. Passed small patches of sea weed. At 12 changed course to N 30° W. by M Sl 31. Av Revs 42.3.

W. B. Wilson

Lieutenant. U. S. N.

Meridian to 4 P M.

Partly clear and pleasant. Moderate breze from N E by E to stiff breze from W N E. Barometer falling. Passed long patches of gulf weed. On course N 20° W (p.c.) Under all fore and aft sail and fore sail. Steaming under 3 boilers. At 1 00 lighted fires under "B" boiler for distilling. At 1:30 took in all sail. At 2:00 set fore and aft sail, and took it in again at 2:45. At 3 00 hauled in Pat Log and found it foul. Av Sl 32. Av Revs 41.5.

F W Freedman

Ensign. U. S. N.

4 to 6 P M.

Generally cloudy. Stiff breze from W N E to N E by N. Went to quarters at 4 30. Steaming with 3 boilers. At 4:30 set fore and aft sail and fore sail. Course N 20° W (p.c.) At 5:30 commenced distilling. Av Sl 36 Av Revs 45

E K Benson

Lieutenant. U. S. N.

6 to 8 P M.

Cloudy weather. Stiff N E by E & E by breze. Barometer rising. Ship pitching to sea. Distilling. Placed J Whitton (SC3) and A Knoth (Sdt) in double irons for the night and R Lewis (SC4) and J Johnson (Matt) in single irons for the night in accordance with punishment assigned. Under steam all fore and aft sail and fore sail, on course N 20° W (p.c.) by 46.2 at end of watch. Av Sl 37. Av Revs 43.

Ralph Earle,

Ensign. U. S. N.

8 P M to midnight.

Cloudy & clearing. Moon rose at 8 45. Stiff breze from N E by N. Took in and stowed flying jib. At end of watch on course N 20° W. under fore and aft sail except flying jib with fore sail set. Ship pitching to head sea. Barometer steady. Av Sl 38 Av Revs 43.2.

W. B. Wilson

Lieutenant. U. S. N.

Examined and found to be correct.

E. F. Leiper,

Lieutenant. U. S. N.

Navigator.

4—205

LOG of the UNITED STATES *Training Ship "Essex"* **3rd Rate,**

At Sea making passage from San Juan, Puerto Rico, to Hampton Roads Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, numbers.	State of the Sea.
A. M.																		
1	6.	0.	78.1.	N 20° W.	N E.	4-5.			30.32.	78.	77.	77.	80.	o-c.	A-Cu.	NE	10.	M.
2	5.	8.	83.9.	"	"	4-5.			30.32.	78.	77.	77.	80.	"	"	"	10.	"
3	6.	0.	89.9.	"	N N E	4-5.			30.32.	78.	77.	76.	79.	b-c.	"	"	8.	"
4	5.	6.	95.5.	"	"	4-5.			30.28.	78.	76.	73.	78.	"	Cu-S.	"	6.	"
5	5.	3.	100.8.	"	"	4-5.			30.21.	78.	76.	73.	78.	"	"	"	5.	"
6	5.	7.	6.5.	"	"	4-5.			30.30	78.	76.	73.	78.	"	"	"	5.	"
7	5.	3.	11.8.	"	N E by N.	4-5.			30.31.	78.	76.	73.	78.	"	"	"	7.	"
8	5.	7.	17.5.	"	"	4-5.			30.33.	78.	76.	73.	78.	"	"	"	6.	"
9	6.	0.	23.5.	"	N E.	4-5.			30.35.	79.	77.	74.	78.	b-c-m.	A-Cu.	"	6.	"
10	6.	4.	29.9.	"	"	4-5.			30.37.	79.	77.	74.	78.	"	"	"	7.	"
11	6.	6.	36.5.	"	"	4-5.			30.38.	78.	78.	74.	78.	"	"	"	8.	"
Noon.	7.	1.	43.6.	"	"	4			30.34	78.	77.	74.	79.	"	"	"	7.	"

Position at 8 A. M. { Latitude by D R. 23°40'08" N. / Longitude by Obs. 68°44'45" W.

Mag Jump: Fr 83-82. Aft 82-81.

Position at noon: { Latitude by observation 24°06'40" N. / Longitude by observation 68°54'00" W. / Latitude by D. R. 24°03'24" N. / Longitude by D. R. 68°43'24" W.

Course made good since preceding noon: N 26° W.

Distance made good since preceding noon: 156.5 miles.

Distance by Log since preceding noon: 160.1 miles.

Current per hour: 0.42. miles, set N 72° W true.

Position at 8 P. M. { Latitude by D R. 24°54'40" N. / Longitude by Obs 69°21'00" W.

Variation of compass: 2° 15' W'ly

Error of compass observed at 4:25 P M. 4' 37' W'ly

Deviation of compass on N 32° W. 2° 22' W'ly

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, 13 tons, 156 lbs.

Coal remaining on hand at noon, 132 " 893. "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, numbers.	State of the Sea.
P. M.																		
1	6.	8.	51.4.	N 20° W.	N E by N.	4.			30.31.	78.	77.	73.	78.	b-c.	Ci-Cu.	-	8.	M.
2	6.	7.	57.1.	"	"	4.			30.32.	78.	77.	73.	78.	"	"	-	8.	"
3	7.	6.	64.7.	N 32° W.	"	4.			30.31.	78.	77.	73.	77.	"	"	-	6.	"
4	7.	2.	71.9.	"	"	4.			30.33.	78.	77.	72.	77.	"	"	-	7.	"
5	7.	1.	79.0	"	"	4.			30.31.	76.	77.	72.	76.	"	"	-	8.	"
6	8.	0.	87.0.	"	N E.	4.			30.33.	77.	76.	72.	76.	"	"	-	5.	"
7	8.	9.	95.2.	N 20° W.	"	4.			30.33.	77.	77.	72.	76.	"	"	-	2.	"
8	6.	4.	2.3.	N 28° W.	"	4.			30.35.	76.	77.	71.	76.	"	"	-	2.	"
9	7.	8.	10.1	N 20° W.	N E by E.	4.			30.34	76.	75.	71.	76.	"	Ci.	-	3.	"
10	7.	4.	17.5.	"	"	4.			30.34	77.	75.	71.	75.	"	Ci-S.	-	3.	"
11	8.	9.	26.4	"	"	4.			30.34	77.	75.	71.	75.	"	Cu-S	-	6	"
Mid.	7.	5.	33.9.	"	"	4.			30.34	77	75.	71.	75.	"	"	-	6.	"

under the command of Commander R G Davenport, U. S. Navy,

Monday December 10. ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Overcast to clear and moonlight. Stiff breeze from N E to N N E. Barometer steady. On course N 20° W. (p 50) and under all fore and aft sail and fore sail until 2:30 when took in all sail. Steaming under 3 boilers. Av St 50 Av Revs 41.3

R W Bakerson
Ensign. U. S. N.

4 to 8 A M.

Clear and pleasant. Moderate to stiff breeze from N E by N to N E. Moderate sea from N N E. Steaming with 3 boilers. Distilling with fourth. Steering N 20° W. (p 50). At 8:00 started to make fire and aft sail. By order of Commanding Officer released W Johnson and J Johnson (Matt) also A Knuth (C 4°C) R J Lewis (C 4°C) J Whelton (C 3°C). Av St 48 0 Revs 40.5.

E L Beach.
Lieutenant. U. S. N.

8 A M to meridian.

Fair to cloudy and pleasant. Moderate to stiff N E by E breeze. Barometer raising till last hour when it began to fall. Ship pitching. At 9:30 mustered at quarters, absentee E H Thornette (3rd C). Held setting up exercises. Held bag inspection and making out clothing list and requisitions remainder of fore noon. Raised small patches of sea weed. Distilling. The Captain assigned following punishments J Peterson (coal) neglecting his duty smoking on quarter deck while on watch as quartermaster, 4th class. On course N 20° W (p 50) under steam and fore and aft sail save fore topmast staysail, log 43.6. at end of watch. Av St 50 Av Revs 41.7

Ralph Earle,
Ensign. U. S. N.

Meridian to 4 P M.

Fine and pleasant. Moderate breeze from N E. On course N 30° W. under headsails main topmast staysail spankers and topsail. 1 PM set fore sail. At 1:30 called all hands and sent down light yards and topgallant masts and set topsails. Passing patches of sea weed. Ship pitching easily to head swell. At end of watch full and by making course N 33° W (p 50). Scraping top gallant masts and light yards. A board of survey of which Lieut C F Leiper U. S. N. was senior member met to survey Medical Stores. Barometer raising slowly. Av St 52 Av Revs 42.9

Lieutenant. U. S. N.

4 to 6 P M.

Clear and pleasant. Moderate breeze from N E. Barometer steady. Passing sea weed. Ship pitching to N N E by E swell. Steaming under 3 boilers. Under fore and aft sail until 4:45. At 4:30 mustered at quarters after which crossed light yards, and made all sail but main sail. Course N 35° W (p 50) steaming full and by on Stbd tack making good about N 33° W (p 50). Av St 51 Av Revs 43.4 Distilling.

Ensign. U. S. N.

6 to 8 P M.

Clear and pleasant. Moderate breeze from N E. Steaming with 3 boilers distilling with 4th. Under all fore and aft sail and square sail except main sail. By order of Commanding Officer confined for the night in single irons J Johnson (Matt) R Lewis (C 4°C) in double irons A Knuth (C 4°C) J Whelton (C 3°C). Av St 53 Av Revs 44.1

E L Beach.
Lieutenant. U. S. N.

8 P M to Midnight.

Fair and pleasant. Moderate N E by E to E by E breeze. Barometer steady. Moon rose at 9:48. At 8:30 went to general quarters, divisions ready as follows:- 1st 2 min; 2nd 1 1/2; 3rd 1/2; 4th 4 1/2; 5th 3; Marines 4; Powder 4 minutes; all ready in 4 minutes. Secured at 8:46. in 16 minutes. Distilling. Under steam and sail as in previous watch on course N 20° W (p 50) log 53.9 at end of watch. Av St 52. Av Revs 43.8.

Ralph Earle,
Ensign. U. S. N.

Examined and found to be correct.

E. F. Leiper.
Lieutenant. U. S. N.
Navigator.

4—266

LOG of the UNITED STATES *Training Ship. Essex* 3rd **Rate,**

At Sea, making passage from San Juan, Puerto Rico to Hampton Roads Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb	TEMPERATURE. Air: Wet Bulb	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	7.	3.	4.2	N 30° W.	N & by E.	3-4.			30.34.	77.	75.	72.	76	b-c.	Cu-S	–	7.	Sm.
2	7.	3.	48.5	N 28° W.	N E.	3.			30.34.	77.	75.	71.	75	"	"	–	7.	"
3	7.	6	56.1.	"	"	3.			30.30.	76.	75.	71.	76	"	"	–	6.	"
4	6.	9.	63.0	"	"	3.			30.30.	76.	75.	72.	76	"	"	–	6.	"
5	7.	5.	70.5.	"	"	3.			30.30.	76.	75.	72.	76.	"	"	Ns.	7.	"
6	7.	7.	78.2.	N 33° W.	"	3.			30.30.	76.	75.	72.	76.	"	"	"	5.	"
7	7.	4.	85.6.	N 27° W.	N E by E.	3.			30.31.	76.	74.	71.	76	"	"	"	4.	"
8	8.	6.	94.2	N 20° W.	E N E.	3.			30.31.	76.	74.	71.	76	"	"	"	5.	"
9	8.	4.	2.6	"	"	4			30.33	76.	74.	72.	76.	"	"	"	6.	"
10	8.	2.	10.8.	"	East.	4.			30.33.	75.	74.	72.	75.	o-c.	S	"	8.	"
11	7.	7.	18.5.	"	"	4			30.34.	75.	75.	72.	75.	"	"	"	10.	"
Noon.	9.	8	27.8.	"	"	4.			30.30.	75.	74.	72.	75.	"	Cu-S	"	9	"

Position at 8 A. M. { Latitude by D R. 26° 11' 10" N. — May Jamp. { Longitude by Obs. 70° 36' 45" W. — Jor. Qft.

Position at noon: { Latitude by observation 26° 44' 00" N. — 83-81. 82-80.

{ Longitude by observation 70° 50' 45" W.

{ Latitude by D. R. 26° 39' 58" N.

{ Longitude by D. R. 70° 31' 48" W.

Course made good since preceding noon: N 34° W.

Distance made good since preceding noon: 190.3 miles.

Distance by Log since preceding noon: 182.6 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D R. 27° 32' 06" N.

{ Longitude by Obs. 71° 14' 45" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 12 tons, 1796 lbs.

Coal remaining on hand at noon, 114 " 1337 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb	TEMPERATURE. Air: Wet Bulb	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	5.	3.	33.8.	N 20° W. N 10° W.	East.	4.			30.27.	77.	75.	72.	76	b-c-m	S Cu.	Cs.	9.	m.
2	6.	9.	41.3.	"	"	3.			30.24.	77.	75.	72.	76	"	S	"	7	S.
3	6.	7.	48.0.	"	"	2.			30.22.	77.	76.	73.	76	"	S Cu.	"	8.	"
4	6.	4.	54.4.	"	"	1.			30.19.	76.	74.	71.	75.	"	N	"	8	"
5	6.	6.	61.0	N 19° W.	"	1.			30.23.	75.	74.	72.	75.	o-c-m.	S Cu N	"	10.	"
6	5.	9.	66.9.	"	North	2.			30.24.	75.	74.	72.	75.	"	"	"	10.	"
7	6	4.	73.3	"	"	2.			30.25.	76.	74.	70.	74	"	"	"	10.	"
8	6	9.	80.2.	"	"	2			30.25.	77.	74.	70.	73.	b-c-m	"	"	7.	"
9	6.	6	86.8.	"	"	3.			30.26.	78.	74.	71.	76	o-c-m	S.	"	8.	"
10	6.	8.	93.6.	"	N N W.	3.			30.25.	78.	74.	71.	76	"	"	"	10.	"
11	6	8.	100.4	"	N W.	3.			30.24.	77.	74.	72.	76.	"	"	"	10.	"
Mid.	6.	8.	7.2.	"	"	3.			30.24.	77.	73.	70.	76.	"	"	"	10.	"

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday December 11th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Bright moonlight. On course N 20° W until 1:15 A.M. when full and by making course N 28° W, under steam on three boilers and full sail set. Moderate to gentle breez from NNE. Barometer falling. Av St 53 Av Revs 441.

W. W. Brown
Lieutenant. U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Gentle breze from NE and NEbyE and ENE. Under steam on "A" and "B" boilers and all sail. Full and by, first three hours making N 28° W to N 38° W. Last hour on course N 20° W. Barometer steady. At 8:00 sent apprentices over mast head. At 5:00 released J Whitton (SC3C) and A Knoth (SC4C) and at 7:00 R J Ivins (SC4C) and J Johnson (MA all) from confinement. Distilling. Av St 53 Av Revs 443.

F. F. Baldwin
Lieutenant. U.S.N.

8 A.M. to Meridian

Generally cloudy. Moderate breze from ENE to East. Steaming with 3 boilers. Distilling with fourth. Steering N 20° W (psc). All fore and aft and square sail set except mainsail. Went to quarters at 9:30 Exercised and equipped battalion in heavy marching order for landing force. Punishments were awarded by Commanding Officer as follow: E S Roberts (ASC) smoking and out of his part of the ship when work was going on, 6 hours extra duty, L D Jackson, R R Mostyn, J W Mitchell, J E Coulter, H J Kane, and F A Dougherty, shirking 12 hours extra duty each. J B Mc Kernan (ASC) shirking and smoking 12 hours extra duty. A Thornett (ASC) continually shirking 12 hours extra duty. Absentee, E H Thornette (yeo 3C) absent without leave. By order of Commanding Officer released W T Totten from confinement his term having expired, and confined J J Jolly (ASC) in solitary confinement on bread and water for 2 days. Set clocks back 6 minutes between 11:00 and 12:00. Av St 53. Av Revs 434.

E. P. Beach.
Lieutenant. U.S.N.

Meridan to 4 P.M.

Cloudy. Moderate breze to light airs from East. Barometer falling. Ship steady. Distilling. At 12:40 changed course to N 15° W (psc) log 32.8. And at 4:00 log 54.4, changed course to N 19° W (psc). At 2:00 hauled down main topmast staysail. Held routine 3d period drills 4th division had extra instruction and drill in signals from 2:15 to 2:50. The 4th division had practice with gallery rifle from 3:00 to 3:30. Took in all sail at 2:50. Passed patches of sea weed. Sighted a schooner bound S W on starboard beam at 2:00, and a sail off port bow at 4:00. Received acting appointment of J. Foy, (C W S 3C) for six months from December 11th, 1900. Under steam alone on course N 19° W (psc), log 54.4 at end of watch. Av St 50 Av Revs 329.

Ralph Earle,
Ensign. U.S.N.

4 to 6 P.M.

Cloudy to threatening. Light Easterly airs to light northerly breze. On course N 19° W (psc) under steam on three boilers. At 4:30 P.M. went to quarters for muster. Passing patches of sea weed. At 4:43 called all hands and furled sail. Barometer rising. Av St 47 Av Revs 39.

W. W. Brown
Lieutenant. U.S.N.

6 to 8 P.M.

Cloudy and pleasant. Light breze from North. On course N 19° W (ASC) under steam on "A", "B" and "D" Boiler. Distilling. At 7:00 confined J Whitton (SC3C) and A Knoth (SC4C) in double irons, and R Ivins (SC4C) and J Johnson (MA 3C) in single irons for the night. Av St 49, Av Revs 443.

F. F. Baldwin
Lieutenant. U.S.N.

8 P.M. to midnight.

Overcast and cloudy. Gentle breze from North to NW. Steaming with 3 boilers, distilling with 4th until 10:00 when stopped distilling and allowing fire to die out under distilling boiler. Steering N 19° W (ASC). Sounded to fire quarters at 8:45, divisions reported ready in following minutes. Sow 3, 3d 3½, 2nd 3¼, 1st 3½, 4th 3½, Mar 4, 5th 4. Sounded secure at 8:53. All divisions reporting in 3 minutes. Av St 50 Av Revs 424.

Examined and found to be correct.

E. P. Beach
Lieutenant. U.S.N.

E. F. Leiper
Lieutenant. U.S.N.
Navigator.

4—255

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At Sea making passage from San Juan, Puerto Rico to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10-10.	State of the Sea.
A. M.																		
1	6.	3.	13.5.	N 19° W.	N W.	2.			30.24	77	73	70.	75.	o-c-d	N.	none	10	S.
2	6.	5.	20.0	"	W N W.	2.			30.23	76.	72.	68.	75.	"	"	"	10.	"
3	6	5.	26.5	"	"	3.			30.21.	76.	72.	68.	75.	b-c.	"	"	7.	"
4	6.	8.	33.3	"	N W by W.	3.			30.21.	76.	72.	68.	75.	"	Cu.	NW	2.	"
5	6.	0.	39.3	"	"	3.			30.21.	76.	72.	68.	75.	"	"	"	3.	"
6	6.	7.	46.0	"	N N W.	4.			30.21.	76.	73.	68.	73.	b-c-g.	Cu	"	5.	"
7	6.	3.	52.3	"	"	4.			30.23.	76.	73.	68.	73.	b-c.	"	"	4.	"
8	6.	9.	58.5	"	"	4.			30.27.	76.	73.	69.	73.	"	"	"	3.	"
9	6.	0.	64.5	"	"	4.			30.31.	74.	73.	70.	74.	"	"	"	4.	"
10	5.	8.	70.3	"	"	4.			30.31.	75.	73.	70.	74.	"	S-Cu	"	5.	M.
11	6.	9.	77.2	N 3 8° W.	"	4.			30.35.	72.	73.	69.	74.	"	"	"	5.	"
Noon.	7.	0.	84.2.	"	"	4.			30.31.	72	73	68.	73.	"	Cu-	"	3.	"

Position at 8 A. M. { Latitude by D R. 28° 44' 00" N. Mag Temp.
Longitude by Obs 71° 22' 15" W. For. Aft.
81-79. 80-79.

Position at noon: { Latitude by observation 28° 52' 57" N.
Longitude by observation 71° 49' 15" W.
Latitude by D. R. 29° 04' 27" N.
Longitude by D. R. 72° 07' 27" W.

Course made good since preceding noon: N 22° W.

Distance made good since preceding noon: 139 miles.

Distance by Log since preceding noon: 156.7 miles.

Current per hour: 0.8 miles, set S 54° E true.

Position at 8 P. M. { Latitude by D R 29° 30' 21" N.
Longitude by Obs 72° 36' 00" W.

Variation of compass:

Error of compass observed at 7:47 A M.

Deviation of compass on N 20° W.

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 11 tons, 2236 lbs.

Coal remaining on hand at noon, 107 " 1341 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10-10.	State of the Sea.
P. M.																		
1	6	5.	90.7	N 39° W.	North.	4.			30.32.	72.	73	68.	73.	b-c	Cu.	N.	5.	M.
2	6	7.	97.4	"	N N E	4.			30.32.	72.	73.	68.	73.	"	S-Cu	"	5.	"
3	6	3.	3.7.	"	"	5.			30.32.	72.	73.	68.	73.	"	"	"	4.	"
4	6	7.	10.4	"	"	5.			30.32.	71.	71.	68.	73.	"	"	"	4.	"
5	6	9.	17.3	"	"	5.			30.33.	71.	69.	66.	73.	"	Cu	Cu.	4.	"
6	7.	1.	24.4	"	"	4.			30.35.	71.	69.	66.	73.	"	Cu-d	"	6.	"
7	6.	1.	30.5	"	"	3.			30.37.	71.	68.	65.	73.	"	Cu	"	2.	"
8	6	5.	37.0	"	"	3.			30.38.	71.	68.	64	73.	"	"	"	1.	"
9	3.	1.	40.1.	"	"													
10	6	9	46.1.	N 18° W.	N E.	3.			30.38.	71.	68.	64.	73.	"	S-Cu	N.	2.	"
11	6.	9.	57.3.	"	"	3.			30.38.	71.	66.	63	73.	"	"	"	2.	"
Mid.	6.	6.	63.9	"	N E by E	3.			30.38.	71.	66.	63.	73.	"	"	"	1.	"
					E N E.	3.			30.36	71.	66.	63	73.	"	"	"	1.	"

under the command of Commander R G Davenport. , U. S. Navy,

Wednesday December 12th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Overcast with light drizzle first half, clearing to fine and pleasant last hour, bright moonlight. Light to gentle NW by W to W NW by W breezes. Barometer falling. At 2:00 set all fore and aft sail except main trysail. Ship rolling 6 times per minute 6° each side to slight NE swell. At end of watch under steam and fore and aft sail save trysail on course N 19° W (psc) log 33.3. Av St 50 Av Revs 41.

Ralph Earle,
Ensign U. S. N.

4 to 8 A M.

Fine and pleasant. Gentle breeze from NW by W to moderate NW by W breeze. At 5 took in fore and aft sail. On comes N 19° W (psc) under steam on three boilers with fore and aft sail set first hour. Ship rolling 6 times a minute mast roll both sides 5°. J W Hutton (30 C) and R Knoth (30 C) released from confinement at all hands. R J Hugo (24 C) and S Johnson (mutt) released from confinement at 7 A M. Barometer rising. Av St 51 Av Revs 41.8.

W. R. Gibson
Lieutenant U. S. N.

At 5:30 sent apprentices over mast head.

8 A M to Meridian.

Clear and fine. Moderate breeze from N N W and North. On course N 19° W (psc) under steam on three boilers. At 10:00 changed course to N 38° W (psc) patent log 70.3. Set all fore and aft sail. At 9:30 mustered at quarters and exercised at setting up drill. Exercised as per routine till 10:30 and from 10:45 to 11:30. At 11:00 set clock back 2 minutes. By order of the Captain released from confinement and restored to duty N A Blood (95 C) and placed J J Gray (95 C) in solitary confinement for two (2) days on bread and water. Placed R J Lewis (30 C) and S Johnson (mutt) in double irons. Punishments awarded by the Captain: J C James (90 SC) making change in apprentices meals without authority and being insubordinate and disrespectful when reprimanded, 3 nights in double irons. C Tomas (Sea) absent from station at fore quarters 2d class. Passing large quantities of gulf weed. Av St 51 Av Revs 41.3.

F. F. Baldwin
Lieutenant U. S. N.

Meridian to 4 P M.

Clear and pleasant. Moderate to fresh breeze from North to NNE. Steaming with 3 boilers. Steering N 31° W (psc) fore and aft sail set. Exercised at routine drills from 1:30 to 2:15. Then sth'd watch 1st Division at target practice, gallery rifle from 3:00 to 3:45. Av St 52 Av Revs 41.8

E. L. Beach.
Lieutenant U. S. N.

4 to 6 P M.

Fair and pleasant. Stiff to moderate NNE by E breeze. Barometer rising. Ship pitching easily. At 4:30 mustered at quarters and exercised at setting up drill. At 4:45 set fore sail. On course N 38° W (psc) under steam all fore and aft sail and fore sail log 244.4 at end of watch. Av St 52 Av Revs 43.2.

Ralph Earle,
Ensign U. S. N.

6 to 8 P M.

Fine and pleasant. Gentle breeze from NNE. Barometer rising. On course N 38° W (psc) under steam on three boilers with fore sail and all fore and aft sail set. J C James (90 SC) J Whetton (30 C) and R Knoth (30 C) confined in double irons for the night. The 2d Division of the watch exercised in night signals for ½ hour. Av St 48 Av Revs 40.8.

W. R. Gibson
Lieutenant U. S. N.

8 P M to Midnight

Clear and fine. Gentle breeze from NE, NE by E and E NE. Barometer high and steady. Under steam on three boilers, all fore and aft sail and fore sail. On course N 38° W (psc) till 9:30 when changed course to N 18° W (psc) patent log 40.1. Ship pitching easily to long rolling swell from North. Moon rose at 11:30 Av St 52 Av Revs 42.3.

F. F. Baldwin
Lieutenant U. S. N.

Examined and found to be correct.

F. F. Lester,
Lieutenant U. S. N.
Navigator.

4—206

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

At Sea making passage from San Juan, Porto Rico, to Hampton Roads Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb	Air. Wet Bulb	Water at Surface	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, as to sct.	State of the Sea.
A. M.																		
1	6.	2.	78.1	N 18° W.	N Es.	3.			30.36	70.	67.	64.	73.	b. c.	S. Cu. Es.		4.	S.
2	6.	3.	76.4	"	"	1-3.			30.35	70.	67.	64.	73.	"	" "	"	4.	"
3	6.	3.	82.7	"	"	1-2			30.35	69.	67.	64.	73.	"	Cu.	Sc.	5.	"
4	6.	5.	89.2	"	"	1.			30.35	69.	67.	64.	72.	"	C. Cu.	"	4.	"
5	6.	0.	95.2	"	N N W	1.			30.34	69.	67.	64.	73.	"	Cu.	"	6.	"
6	6.	6.	1.8	"	"	1.			30.34	69.	67.	64.	73.	"	"	"	5.	"
7	6.	8.	8.6	"	N N Es.	1.			30.36.	69.	67.	64.	73.	"	C. Cu.	none	5.	"
8	7.	1.	15.7	"	"	1.			30.38	69.	69.	65.	73.	"	"	"	5.	"
9	6.	8.	22.5	"	N Es by Es.	3.			30.40	70.	69.	66.	73.	"	C. S.	"	3.	"
10	7.	1.	29.6	"	"	3			30.39.	71.	71.	66.	73.	"	C. Cu.	"	2.	"
11	7.	7.	37.3	"	East.	4.			30.38	71.	71.	66.	73.	"	"	"	3.	"
Noon.	7.	4.	44.7	"	Es S Es.	4.			30.36	72.	72.	66.	73.	"	"	"	3.	"

Position at 8 A. M. { Latitude by D R. — 30° 41' 51" N. — Mag Temp.
Longitude by Obs — 73° 20' 15" W. — For Dft 79-78. Obs 80-78.

Position at noon: { Latitude by observation — 31° 14' 14" N.
Longitude by observation — 73° 29' 15" W.
Latitude by D. R. — 31° 09' 15" N.
Longitude by D. R. — 73° 19' 09" W.

Course made good since preceding noon: N 31° W.

Distance made good since preceding noon: 16 5 miles.

Distance by Log since preceding noon: 164 5 miles.

Current per hour: 0.43 miles, set N 61° W true.

Position at 8 P. M. { Latitude by — 32° 13' 02" N.
Longitude by — 73° 55' 18" W.

Variation of compass: 3° W'ly

Error of compass observed at 8 1/2 A M. 4° 1' W'ly

Deviation of compass on N 18° W. 1° 1' W'ly

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 11 tons, 436 lbs.

Coal remaining on hand at noon, 96 " 905 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb	Air. Wet Bulb	Water at Surface	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, as to sct.	State of the Sea.
P. M.																		
1	6.	1.	51.5	N 18° W.	Es S Es	2.			30.29.	72.	72.	67.	73.	b. c.	Ci. S.	none	4.	Sm.
2	7.	5.	59.0	"	S Es by S	3.			30.27.	72.	74.	69.	72.	"	"	"	4.	"
3	7.	7.	66.7	"	South.	3.			30.24.	72.	73.	69.	72.	"	"	"	2.	"
4	7.	9.	74.6	"	"	4.			30.24.	72.	72.	68.	71.	"	Ci. Cu.	"	4.	"
5	7.	9.	82.5	"	S S W.	2.			30.24.	72.	72.	68.	71.	o. c.	S. Cu.	"	3.	"
6	8.	2.	90.7	"	W S W.	3.			30.22	72.	71.	68.	71.	"	"	"	5.	"
7	8.	7.	99.4	"	S W.	5.			30.22.	71.	71.	68.	71.	"	"	"	9.	"
8	9.	0.	8.4	"	"	5.			30.22.	71.	71.	68.	71.	"	S	"	10.	"
9	6	0.	16.4	"	West.	5-6			30.23.	75.	73.	69.	71.	o. c. g. f.	S. Cu. N.	"	10.	"
10	2	6	23.0	N 61° W.	N W by W	5-6			30.22.	74.	69.	68.	71.	o. c. g.	"	"	10.	"
11	6.	9	29.9	"	W nor.	3-4			30.21.	74.	69.	68.	71.	b. c. g. m.	S. Cu.	"	7.	"
Mid.	6.	9	36.8	"	"	3-4			30.20.	74.	69.	68.	71.	"	"	"	7.	"

4-9-05

under the command of Commander R. G. Davenport., U. S. Navy,

Thursday December 13 ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Fair and pleasant. Light airs to gentle breeze from N.E. Steaming with three boilers, under fore and aft sail. Steering N 18° W (p.s.c). Took in fore sail and main trysail at 1:30. Av. St 49 Av. Revs 402.3.

E. L. Beach.
Lieutenant. U. S. N.

4 to 8 A.M.
Fair and pleasant. Light airs from N.N.W. to N.N.E. Barometer rising. Ship pitching slightly. At 5:00 took in all sail. At 5:00 sent apprentices of watch over mast head. Released J. S. James (Q.M.3.c), S. Whitton (S.C.3.c), and A. Knuth (S.C.3.c), from confinement as per punishment. Passed small patches of sea weed. On course N 18° W (p.s.c) under steam alone by 15.7 at end of watch. Av. St 51 Av. Revs 42.3.

Ralph Earle,
Ensign U. S. N.

8 A.M. to Meridian.
Clear and fine. Gentle breeze from N.E. by E. to moderate E. & S.E. breeze. On course N 18° W (p.s.c) under steam on three boilers. At 8:15 A.M. set all fore and aft sail and forecast. At 12:00 took in main topmast stay-sail, jib and flying jib the wind having hauled aft. At 9:30 had general quarters, divisions reporting as follows 4th 1 minute, Powder 1 minute, 3rd 1/4 minute, Rear 1/2 minute, 2nd 2 minutes, 1st 4 3/4 minutes, 5th 4 3/4 minutes. At 9:56 ordered secure all divisions reporting secure in 3 minutes. J. L. Jolly (A.3.c) released from confinement, and T. J. Kelly (A.3.c) placed in solitary confinement on bread and water for 3 days. Cleaning clothing and small stores. Barometer falling. Av. St 50.1 Av. Revs 42.4.

W. P. Baldwin
Lieutenant. U. S. N.

Meridian to 4 P.M.
Clear and fine. Light to moderate breeze from E. & S.E. to South. On course N 18° W (p.s.c) under steam on A, B and D, Boilers and fore topmast staysail, trysail and spanker. At 1:00 called all hands and made all square sail, taking in trysail and spanker. Cleaning clothing and small stores. Av. St 50 Av. Revs 43.3.

W. P. Baldwin Lieutenant. U. S. N.

4 to 6 P.M.
Generally overcast and cloudy. Moderate to stiff breeze from S.S.W. to W.S.W. Under square sail to royals, except main sail and fore topmast staysail. At 5:15 set jib. Steaming with 3 boilers. Steering N 18° W (p.s.c). Did not go to quarters because cleaning clothing and small stores. Av. St 50 Av. Revs 44.1.

E. L. Beach.
Lieutenant. U. S. N.

6 to 8 P.M.
Cloudy. Stiff S.W. by W. breeze. Barometer steady. From 7:00 to 7:30 the 4th division had night signal drill. Placed J. S. James (Q.M.3.c), S. Whitton (S.C.3.c) and A. Knuth (S.C.3.c) in double irons for the night in accordance with punishment assigned. Under steam and sail as in previous watch on course N 18° W (p.s.c) by 8.4 at end of watch. Av. St 50 Av. Revs 44.6.

Ralph Earle,
Ensign U. S. N.

8 P.M. to Midnight.
Threatening and squally to clearing. Barometer falling slightly. On course N 18° W (p.s.c) under all square sail but mainsail, and jib and fore topmast staysail set. Took in light sails and closed down topsails during squall and ran off to N.E. 1/2 E. for 1/4 hour at 8:15. Took in and furled all sail the wind having hauled ahead, at 9:45 set fore and aft sail except main topmast staysail, ship steady. Av. St 50 Av. Revs 42.5.

W. P. Baldwin
Lieutenant. U. S. N.

Examined and found to be correct.

E. F. Leeper.
Lieutenant. U. S. N.
Navigator.

4—262

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At Sea making passage from San Juan, Puerto Rico, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1	6	4	43.2	N 18° W	W N W	3.			30.19	74.	69	68	71	o-c-m	S	mve	10.	m
2	6	3	50.0	"	"	3.			30.18	74.	68	67	70	o-c-d	S N	"	10.	"
3	6	5	56.5	"	"	3.			30.17	74.	68	67	70	"	"	"	10.	"
4	6	4	63.4	"	"	3.			30.15	74.	68	67	70	o-c-m	Cu N	"	10.	"
5	6	7	70.1	"	"	3.			30.12	72.	68	67	70	"	"	E.	10.	"
6	7	0	77.1	"	"	3.			30.10	72.	68	65	70	"	"	"	10.	"
7	7	1	84.2	"	"	2.			30.10	72.	68	65	70	"	"	"	10.	"
8	7	8	92.0	"	"	2.			30.10	71.	66	65	71	"	"	"	10.	"
9	6	6	98.6	"	North	2.			30.11	71.	64	64	71	o-c-r	N	"	10.	"
10	7	3	5.9	N 28° W	"	3.			30.12	68	64	64	72	"	"	"	10.	"
11	8	2	14.1	"	N E	5.			30.13	68	64	64	74	"	"	"	10.	"
Noon.	9	6	23.7	"	E N E	6			30.13	68	64	64	75	o-c-m	"	"	10.	"

Position at 8 A. M.: Latitude by 33° 30' 02" N. (Thag Temp. 78-76.)
Longitude by 74° 34' 03" W. (For Aft 78-77.)

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. 33° 57' 26" N.
Longitude by D. R. 74° 53' 17" W.

Course made good since preceding noon: N 24° W.

Distance made good since preceding noon: 179 miles.

Distance by Log since preceding noon: 177 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by 34° 26' 38" N.
Longitude by 75° 06' 17" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 11 tons, 436 lbs.

Coal remaining on hand at noon, 85 " 469 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, each in tenths.	State of the Sea.
P. M.																		
1	8	1	31.8	N 22° W N 28° W	E N E	7.			30.12	69	62	62	75	o-c-d	Nim	E.	10.	m
2	8	0	39.8	"	"	7.			30.12	69	62	62	75	o-c-p-g	"	"	10.	"
3	7	7	43.5	N 1/2 E	N E	7-8			30.01	70	62	62	73	"	"	"	10.	"
By chip 4	7	9		"	N E by E	7-8			30.03	68	61	60	73	"	"	"	10.	"
" " 5	2	0	44.4	"	N by E	7.			30.09	68	61	60	75	"	S Cu N	"	10.	H
" " 6	2	2		"	"	7.			30.13	70	61	60	75	o-c-g	"	"	10.	"
" " 7	3	0	48.6	"	"	6-7			30.15	70	61	59	76	"	"	"	10.	"
" " 8	3	1	48.0	"	"	7.			30.18	70	61	59	76	"	"	"	10.	"
" " 9	2	6	48.5	N 1/2 E	N N E	6-7			30.18	71	62	60	76	"	S N	"	10.	"
10	3	2	50.0	"	"	6-7			30.22	71	62	60	76	"	"	Nb	10.	"
11	3	2	51.4	"	"	6-7			30.25	70	57	55	77	"	Cu N	"	8.	"
Mid.	2	7	53.3	"	"	6-7			30.27	69	56	54	77	"	"	"	8.	"

under the command of Commander R. G. Davenport, , U. S. Navy,

Friday, December 14 ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Overcast. Light drizzling rain falling third hour. Gentle breeze from N.N.W. Passed a South bound steamer at 2:30. On course N 18° W (p.c.) under steam on three boilers, and fore and aft and reefed main topmast staysail. Set main topmast staysail at 2:00. Av. St 48 Av. Revs 40.6.

T. R. Baldwin Lieutenant. U.S.N.

4 to 8 A.M.
Overcast and cloudy raining last hour. Light to gentle breeze from N.N.W. Steaming with 3 boilers. Steering N 18° W (p.c.). Fore and aft sail set. Released J. G. James (1838) J. Whitten (1838) and A. Smith (1848) from confinement as per punishment assigned. Av. St 50 Av. Revs 41.2.

E. L. Beach Lieutenant. U.S.N.

8 A.M. to meridian.
Overcast, cloudy, and raining. Light airs and breezes from North first half with stiff to fresh N. to E.N.E. by breezes remainder. Barometer rose slightly. Ship steady. Released from confinement J. J. Gray, (1838), his term having expired, and placed J. Glass, (1838) in solitary confinement on bread and water for 2 days as fur punishment assigned. At 8:45 took in all fore and aft sail, setting it again at 9:15. At 9:00 lat. 9 N. 6 changed course to N 21° W (p.c.). At 9:30 went to quarters, held setting up drills, and over hauled boat falls. The Captain assigned following punishment: R. Hollands (1838) shirking and scrubbing clothes out of hours, 18 hours extra duty. At 10:00 set foresail. At 11:30 hauled down flying jib and main topmast staysail. Set topsails at 11:35 and took two single reefs in them. Passed small patches of sea weed. Under steam and jib, fore topmast staysail, double reefed topsails, foresail, trysail and spanker, on course N 21° W (p.c.) log 23.7 at end of watch. Av. St 50 Av. Revs 46.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Overcast, and stormy. Very fresh breeze from E. N. E., to moderate gale from N.E. At 12:20 changed course to N 32° W (p.c.) patent log 25.5. At 1:30 went to routine drill. At 2:00 called all hands to take in sail. Furled all sail, sent down light yards and topgallant masts, rigged in flying jibboom and sent storm sail. Barometer dropped and steady at 3:00 P.M. and at close of watch rose slightly. At 3:00 changed course to N. 2 E. nothing to the Wd. Ship pitching easily to moderate head sea. Made weekly test of magazine flood and drain cocks, all in good condition except drain of top after room. At 2:35 P.M. started fires in E. boiler. Av. St 49 Av. Revs 40.5

Lieutenant. U.S.N.

4 to 6 P.M.
Overcast. Moderate gales from N by E. Barometer rising rapidly. On course N 3 E (p.c.) under steam on three boilers. At 4:00 set storm mizzen. Ship riding easily. At 11:30 mustered at quarters. Av. St 47. Av. Revs 35.7.

T. R. Baldwin Lieutenant. U.S.N.

6 to 8 P.M.
Overcast and stormy. Fresh breeze from N by E. Steaming into head sea, and wind. Steam on 3 boilers. Storm mizzen set. Started distilling at 7:30 with boiler "E". Took sounding at 7:30, 140 fathoms and no bottom. Steering N 2 E (p.c.). Barometer rising. Av. St 49 Av. Revs 36.6.

E. L. Beach Lieutenant. U.S.N.

8 P.M. to Midnight.
Overcast and cloudy. Fresh N.N.E. by breeze. Barometer rising. Ship pitching to rough head sea. Sounding each hour but getting no bottom. Sighted a steamers light to E. d at 11:45. Distilling. On course N 6° W (p.c.) with storm mizzen set, under steam log 53.2 at end of watch. Av. St 46 Av. Revs 35.6.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Leeper
Lieutenant. U.S.N.
Navigator.

4—386

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

At Sea making passage from San Juan, Puerto Rico to Hampton Roads, Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	3.	11.	55.4.	N 16° E.	N by E.	5-6.			30.28.	65°	54.	52.	77.	b-c-q.	S-Cu.	Ens.	9.	H.
2	2.	8.	57.8	"	"	5-6.			30.24.	65°	54.	52.	77.	"	"	"	9.	"
3	2.	8.	60.0.	"	"	5-6.			30.24.	65°	54.	52.	77.	"	"	"	9.	"
4	3.	0.	63.0.	"	"	5-6.			30.27.	65°	55.	53.	77.	"	"	"	9.	"
5	2.	8.	65.1.	"	"	5-6.			30.27.	64°	56.	53.	76.	"	"	NE.	9.	"
6	2.	6.	66.7.	"	"	5-6			30.31.	64.	56.	53.	76.	"	"	"	8.	"
7	2.	9.	68.8.	"	"	5-6.			30.34.	64.	56.	53.	76.	"	"	"	8.	"
8	1.	6.	72.8.	N 2 W ½ W.	"	5-6.			30.40.	63.	55.	53.	76.	"	"	"	8.	"
9	6.	0.	78.8.	N. W.	North.	5-6.			30.51.	63.	55.	53.	76.	"	S-Cu.	"	9.	"
10	6.	3.	85.1.	N W ½ W.	N N E.	5-6.			30.39.	63.	53.	51.	75.	"	"	"	8.	m.
11	6.	4.	91.5.	"	"	5-6			30.33.	63.	52.	51.	63.	"	"	"	4.	"
Noon.	5.	7.	97.2.	"	"	5.			30.36.	63.	51.	51.	65.	"	"	"	9.	"

Position at 8 A. M.: Latitude by H. R. 35° 01' 56" N. Mag. Temp. Fo. Aft.
Longitude by H. R. 75° 06' 35" W. 77-75. 76-75.

Position at noon: Latitude by observation 35° 26' 00" N.
Longitude by observation 75° 01' 27" W.
Latitude by D. R. 35° 15' 02" N.
Longitude by D. R. 75° 25' 35" W.

Course made good since preceding noon: N 19° W.

Distance made good since preceding noon: 90 miles.

Distance by Log since preceding noon: 92.4 miles.

Current per hour: 0.67 miles, set N E true.

Position at 8 P. M.: Latitude by Bearing 36° 05' 00" N.
Longitude by Bearing 76° 18' 00" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 12 tons, 2137 lbs.

Coal remaining on hand at noon, 72 " 572 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	6.	3.	3.5.	N 11° W.	North.	5.			30.38.	64.	51.	53.	67.	b-c.	S-Cu.	E.	8.	m.
2	7.	2.	10.7.	"	"	4.			30.38.	64.	51.	52.	67.	"	"	"	8.	"
3	6.	5.	17.2.	"	"	5.			30.37.	63.	51.	52.	55.	c-c.	Cu-N.	"	10.	"
4	5.	5.	22.7.	"	N by W.	5.			30.37.	63.	49.	48.	53.	"	"	"	10.	C.
5	4.	2.	26.9.	"	North.	6.			30.40.	63.	47.	45.	52.	c-c-q.	"	NE.	10.	"
6	4.	6.	31.5.	"	"	6.			30.41.	64.	45.	43.	54.	b-c-q.	"	"	9.	"
7	5.	2.	36.7.	"	"	5-6.			30.43.	64.	44.	43.	54.	"	"	"	4.	m.
8	5.	4.	42.1.	"	"	5-6			30.43.	65.	44.	42.	54.	c-c-q.	S-Cu.	"	10.	"
9:35	2.	7.	44.3.	"	"													
9	2.	3.	47.1.	N W ¾ W.	"	6.			30.42.	65.	44.	42.	54.	c-c.	S-Cu.	"	10.	"
10	6.	1.	53.2.	"	"	6.			30.42.	63.	44.	42.	52.	"	"	"	10.	"
11	6.	8.	60.0.	"	"	6.			30.42.	61.	43.	41.	52.	"	"	"	10.	"
Mid.	6.	7.	66.7	"	"	6.			30.42.	61.	41.	41.	50.	"	"	"	10.	"

4-25

under the command of Commander R. G. Davenport., U. S. Navy,

Saturday December 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and overcast. Stiff to fresh breeze from N by E. On course N6° E, under steam on three boilers with storm mizzen set, Barometer steady. Ship pitching easily, to head sea. Distilling. Filled deck tanks. Broken by shot of storm mizzen while taking sounding. The cowl of port after ventilator broken by foot of storm mizzen. Taking sounding each hour getting no bottom. Av St 46 Av Revs 76.2

W. Dykes
Lieutenant, U.S.N.

4 to 8 A.M.

Overcast. Stiff to fresh breeze from N by E. Barometer rising. On course N6°E under three boilers. Storm mizzen set. Distilling. At 7:30 hauled down storm mizzen, and made all fore and aft sail, full and by on starboard tack making about N 2 W by N. Took sounding every hour 150 fathoms no bottom. Av St 47 Av Revs 76.9

H. T. Elsworth Lieutenant, U.S.N.

8 A.M. to Meridian.

Generally overcast and cloudy. Stiff to fresh breeze from N.N.E. Heavy sea at first from N.E, wind and sea moderating after 9:30. All fore and aft sail except flying jib set. Steaming with three boilers distilling with fourth. Steering full and by making N W 1/2 W, left gulfstream about 10:30 temperature of water at surface dropped from 75° to 68°. Av St 56 Av Revs 415. Stopped distilling at 12:00. At 12:00 took sounding, found deft to be 20 fathoms.

E. W. Beach
Lieutenant, U.S.N.

Meridian to 4 P.M.

Generally cloudy. Stiff to moderate N by E to N by W breezes. Barometer fell slightly. Ship pitching easily. At 1220 connected up boiler "E" for steaming. At 12:45, log 1.5 changed course to N 11° W (p.s.c) and took in all sail. Rubbed and sent below fore storm staysail and storm mizzen. Sighted at steamer to W.N bound south. At 2:00 got sounding in 18 fathoms. At end of watch under steam alone on course N 11° W (p.s.c) log 22.7. Av St 57 Av Revs 461.

Ralph Earle,
Ensign, U.S.N.

4 to 6 P.M.

Cloudy and overcast. Stiff to fresh breeze from North. Barometer rising. On course N 11° W (p.s.c) under steam on four boilers. At 4:45 took sounding in 17 3/4 fathoms, bottom fine grey sand. At 5:25 sighted Bodie Island Light bearing S 86° W patent log 28.2. At 5:55 Bodie Island bore abeam patent log 36.8. Sighted a steamer to E.N.E headed to S.W. Ship pitching to choppy sea. Av St 56 Av Revs 465.

W. W. Gilmore
Lieutenant, U.S.N.

6 to 8 P.M.

Overcast and cloudy. Stiff to fresh breeze from North. Barometer steady. On course N 11° W (p.s.c) steaming under 4 boilers. At 7:00 dropped Bodie Island light on port quarter. Passed a steamer steering to southward. Av St 60 Av Revs 471

R. W. Anderson
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast and cold. Fresh breeze from North. Steaming with four boilers. Steering N 11° W (p.s.c) until 8:35 when changed course to N 3/4 W nothing to W.N, patent log reading 11 N.P. Sighted Currituck Light at 11:20. At 11:45 bore N 77° W (p.s.c) patent log 65.4. Av St 63. Av Revs 465.

E. W. Beach
Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N.
Navigator.

4-206

LOG of the UNITED STATES Training Ship. "Essex" **3rd Rate,**

At Sea making passage from San Juan, Puerto Rico, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air by Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10=8.	State of the Sea.
A. M.																		
1	6.	8.	73.5.	N by W ½ W.	North.	5.			30.40.	62.	38.	35.	48.	b. c.	S.	N.	6.	m.
2	6.	4.	79.9.	"	"	5.			30.42.	62.	38.	34.	48.	b-m.	none.	none	0.	"
3	6.	9.	86.8.	"	"	5.			30.45.	61.	36.	34.	46.	b. c.	Cu.	"	1.	"
4	7.	1.	93.9.	"	N by W.	5.			30.46.	61.	36.	34.	48.	b.	none.	"	0.	"
5	5.	7.	99.6.	"	"	5.			30.45.	60.	36.	34.	48.	"	"	"	0.	"
6	3.	6.	3.2.	N W.	"	5.			30.45.	60.	34.	32.	48.	b. c.	Cu.	W.	2.	"
7	7.	7.	10.6	Various.	"	5.			30.45.	60.	34.	32.	48.	"	"	"	3.	"
8	7.	4.	22.0.	"	"	5.			30.48.	60.	34.	32.	48.	"	S Cu.	"	3.	"
9	At anchor			N W.	N W.	5.			30.49.	61.	32.	29.		b-c-m.	"	"	2.	
10				N W by W.	"	5.			30.50.	61.	31.	28.		"	"	"	2.	
11				"	"	5.			30.51.	62.	30.	28.		"	"	"	2.	
Noon.				"	"	5.			30.52.	58.	32.	29.		"	"	"	3.	

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″ — Mag. Jump. For 75-74 Aft. 75-73.

Position at noon: Latitude by observation ° ′ ″ — Longitude by observation ° ′ ″ — Latitude by D. R. ° ′ ″ — Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: 123 miles.

Distance by Log since preceding noon: 124.8 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 19 tons, 704 lbs.

Coal remaining on hand at noon, 52 " 2108 "

P. M.															
1			West.	N N W.	5.		30.48.	58.	33.	31.		b. c.	S-Cu.	none	3.
2			N W.	"	5.		30.48.	53.	33.	31.		"	"	"	2.
3			N N E.	"	5.		30.48.	53.	33.	31.		"	"	"	4.
4			N E.	"	5.		30.48.	53.	32.	30.		"	"	"	4.
5			"	"	5.		30.48.	53.	30.	29.		"	"	"	3.
6			N W by W.	"	4.		30.53.	62.	28.	26.		b. c. m.	"	"	3.
7			"	"	4.		30.57.	58.	28.	25.		"	"	"	0
8			W by N.	"	4.		30.58.	58.	28.	25.		b-m.	none	"	0.
9			West.	"	4.		30.57.	60.	27.	25.		"	"	"	0.
10			"	"	3.		30.57.	60.	27.	25.		"	"	"	0
11			"	"	4.		30.57.	60.	27.	25.		"	"	"	0.
Mid.			"	"	4.		30.55.	60.	26.	25.		b. c. m.	S.	"	2.

4—2.5

under the command of Commander R G Davenport , U. S. Navy,

Sunday December 16 ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Clear and cold. Stiff North'ly to N by W'ly breeze. Barometer rising. Moon rose at 2:10. At 3:55 sighted Cape Henry light bearing N 46° W. Bearings:- at 1:00, Currituck N by W 3/4 W; at 2:00, Currituck, S W; at 3:45, lost sight of Currituck, and at 4:00 Cape Henry, N 44° W. Sounding each hour in from 12 3/4 fathoms to 8 fathoms water. Ship pitching to head sea. Under steam alone on course N by W 3/4 W (psc) log 93.9 at end of watch. Av St 60. Av Revs 47.5. Ralph Earle,

Ensign U.S.N.

4 to 8 A M.

Clear and cold. Stiff breeze from N by W. On course N by W 3/4 W under steam on four boilers. At 5:10 A M Cape Henry light bore N 53° W patent log 97.6. At 5:18 sighted Cape Charles light, bearing N 14° W patent log 1.1. At 5:00 took sounding in 8 1/2 fathoms bottom fine grey sand. At 5:30 changed course to N W (psc) patent log 3.2. Changed course entering channel to Hampton Roads under con of Commanding Officer and the Navigator. Passed several in going and out bound vessels. J J Kelly (CS) released from confinement and J Furlong (CP) placed in cell in ensigle irons for safe keeping. Barometer raising. Av St 58. Av Revs 48.

W. B. Wood

Lieutenant U.S.N.

8 A M to Meridian.

Partly clear but misty. Stiff breeze from W N W. Barometer rising. Standing for anchorage at Hampton Roads conned by Navigator. At 8:18 called all hands and sent up topgallant masts. Found USS Kearsarge, USS Massachusetts and USS Annapolis in port. Exchanged numbers with Kearsarge, Comut 176 and Comut 210 after which made Sig 131 to which Kearsarge answered affirmative. At 8:50 came to anchor in 15 fathoms of water port anchor and veered to 60 fathoms of chain. Ships draft 13.6 fwd 14 aft. Bearing at anchorage: Corner of steam boat wharf N 23° W. Middle St N W'ly. Fortress Monroe light house N 1/2 E, ships head N 55° W. At 9:18 called all hands aroused up topgallant yards and furled sail. The Commanding Officer called officially on Kearsarge and Massachusetts. Let fires die out in "A" B and "C" boilers began distilling.

Rud Henderson

Ensign U.S.N.

Meridian to 4 P M.

Clear and cold. Stiff breeze from W N W.

E L Beach Lieutenant U S N

4 to 8 P M.

Clear and cold. Stiff to moderate breeze from W N W. Barometer rising. Distilling. Lost one boat hook from steam launch. The Comdg Officer left the ship to meet Washington officially

Rud Henderson Ensign U.S.N.

8 P M to Midnight.

Clear and cold. Gentle to moderate breeze from West. At 9:11 received following signal from Kearsarge: Be ready for inspection by Asst to Bureau foreman tomorrow and have boat at wharf on arrival of Washington Boat in the morning (Signed Folger)

E L Beach Lieutenant U.S.N.

Examined and found to be correct.

F. F. Leiper,

Lieutenant U.S.N.

Navigator.

4—216

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At anchor Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1				North.	N N W.	3.			30.52	57	28	27		b.	None	None	0.	
2				"	"	3.			30.53	57	28	27		"	"	"	0.	
3				E N E.	North.	3.			30.50	58	27	25		"	"	"	0.	
4				N E by E.	"	4.			30.47	58	27	25		b.c.	Cu.	"	3.	
5				N N E.	N N E	3.			30.49	52	27	24		b.m.	None	"	0.	
6				"	"	3.			30.50	49	27	24		"	"	"	0.	
7				N W.	N N W.	3.			30.51	42	26	24		b.c.	Cu.Cu.	"	2.	
8				W by N.	"	2.			30.50	38	32	30		"	"	"	3.	
9				"	"	2.			30.50	38	32	30		"	"	"	3.	
10				"	"	2.			30.50	35	32	30		"	"	"	3.	
11				W by W.	"	3.			30.50	40	35	33		"	"	"	3.	
Noon.				S W.	"	3.			30.50	47	36	34		"	"	"	3.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag Comp. For aft. 77-75, 76-74.
Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500. gallons.

Water distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at noon, 2801 "

Coal consumed during the preceding 24 hours, 1 tons, 2200 lbs.

Coal remaining on hand at noon, 50 " 2140 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
P. M.																		
1				W by S.	East.	3.			30.48.	40.	36	34.		b.c.	Cu.Cu.	mve	3.	
2				S W.	Calm.	0.			30.46	47.	34.	32.		"	"	"	3.	
3				S S by E.	"	0.			30.44	48.	34.	34.		"	"	"	5.	
4				E by N.	"	0.			30.41.	46	36	34		"	S. Cu.	"	5.	
5				East.	E N E.	1.			30. 40.	47.	35.	33.		b.c.m.	"	"	5.	
6				"	"	1.			30.40.	50	34.	32.		"	S. Cu.	"	6.	
7				E by N	"	1.			30.43.	49.	34.	32.		"	S. Cu.	"	6.	
8				"	"	1.			30.44.	49.	34.	32.		"	"	"	6.	
9				N W by W.	West.	1.			30.40.	57.	34.	33.		"	"	"	5.	
10				"	"	2.			30.40.	56.	34.	33.		"	"	"	3.	
11				W by S	"	2.			30.40.	56.	34.	34.		b.	None	"	1.	
Mid.				"	"	2.			30.40.	56.	34.	34.		"	"	"	0.	

under the command of Commander R G Davenport , U. S. Navy,

Monday, December 17th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.

Clear and very cold. Gentle to moderate N.W. W.by to North by breeze. Barometer starting to fall. Moon rose at 3:20. Distilling. Riding to flood.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.

Clear and cold. Gentle breze from N.W.b to N.W. Barometer steady. At 7:40 Commander E.F. Dowles came on board to inspect ship. Rear Admiral Farquhar hoisted flag on Kearsarge at 6:30. Crossed royal yards. Distilling.

Ensign U.S.N.

8 A.M. to Meridian.

Clear and cold. Light to gentle breze from N.W. Went to quarters at 7:30. Ship and crew were inspected by Asst to Chief of Bureau of Navigation. Inspected bags and hammocks; exercised at general quarters; pistols, and single sticks, drilled provided and equipped battalion as landing force. Provided boats, arms and away, distant service for cutting out. Exercised at fire drill, and abandoning ship. Exercised at sail drill, made sail, reefed, shifted topsails and furled sail. Commanding Officer of Annapolis called officially, also Military Officer representing Commanding Officer of Military forces on shore.

E.H. Beach. Lieutenant U.S.N.

Meridian to 4 P.M.

Fair to cloudy and pleasant. Gentle East'ly breezes and calmer. Barometer falling. Completed the inspection by the Assistant to Chief of Bureau at 12:15 and he left the ship at 1:00. Swung to flood 2:45 & 3:15. Distilling.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.

Clear and cold. Light airs from N.N.E. At 7:30 sent down light yards, and unbent light sails and flying jib. Stopped distilling at 5:00 kept steam on boiler 'D' for heating ship.

E.H. Beach. Lieutenant U.S.N.

8 P.M. to Midnight.

Fair and cold. Light West'ly airs and breezes. Barometer steady. Swung to ebb 8:45 & 9:15.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Lefler.
Lieutenant U.S.N.
Navigator.

4—228

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At anchor Hampton Roads Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				N & W.	N N W.	2.			30.42.	54.	34.	32.		b.c.m.	S.Cu.	N W.	4.	
2				S W.	West.	3.			30.41.	53.	34.	32.		"	"	"	6.	
3				South.	W & S W.	3.			30.38.	54.	35.	34.		o.c.	Nim.	"	10.	
4				East.	"	3.			30.39.	55.	35.	34.		"	"	"	10.	
5				E by N.	S W.	2.			30.37.	57.	35.	34.		"	S.Cu.	Nim.	10.	
6				E N E.	"	2.			30.35.	57.	35.	34.		b.c.m.	"	"	7.	
7				N E by E.	"	1.			30.35.	57.	35.	34.		"	"	"	7.	
8				"	"	1.			30.35.	57.	35.	34.		"	"	"	7.	
9				West.	W & S W.	1			30.37.	56.	37.	35.		"	"	"	7.	
10				"	"	1.			30.41.	56.	39.	37.		"	"	"	7.	
11				"	"	2.			30.38.	58.	42.	41.		b.c.	"	"	5.	
Noon.				N by E.	"	2.			30.38.	60.	45.	43.		"	"	"	2.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag Temp. For. Cist.
Longitude by ° ′ ″ — 78-76 77-75

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 340 lbs.

Coal remaining on hand at noon, 49 " 1808 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				N by E.	S W.	1			30.35.	59.	47.	44.		b.c.m.	Ci.	nmt.	1.	
2				"	Calm	0			30.33.	58.	55.	48.		"	"	"	1.	
3				"	N E.	2.			30.31.	58.	53.	48.		"	"	"	2.	
4				E N E.	E N E.	2.			30.30.	52.	47.	44.		"	"	"	3.	
5				"	"	2.			30.29.	53.	43.	42.		"	Cu-S	"	5.	
6				"	"	1.			30.29.	52.	42.	41.		"	"	"	2.	
7				"	"	1.			30.29.	54.	40.	38.		"	"	"	2.	
8				"	"	1.			30.29.	56.	40.	39.		"	"	"	2.	
9				West.	W & S W.	2.			30.30.	58.	44.	40.		"	Cu.	"	3.	
10				"	"	2.			30.31.	57.	44.	40.		"	"	"	2.	
11				N by E.	S W.	3.			30.33.	56.	42.	40.		b.m.	"	"	0.	
Mid.				"	"	3.			30.30.	55.	42.	40.		"	"	"	0.	

4—245

under the command of Commander R. F. Davenport, U. S. Navy,

Tuesday December 18th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Cool and pleasant. Light to gentle Westerly breze. Ship swinging to ebb tide at 7:45. Barometer falling slowly.

W. H. Parker
Lieutenant U. S. N.

4 to 8 A. M.

Clear and cold. Light airs from S. W. At 7:30 Hearsarge made time signal 735. At 7:00 Commanding Officer returned on board. At 7:45 the U. S. S. Plekicame in and anchored. Did not send upperiers over masthead because cold and dark.

E. Beach
Lieutenant U. S. N.

8 A. M. to Meridian.

Cloudy to fair and cool. Light W. S. W'ly airs and breezes. Barometer steady. Swung to ebb 8:10 to 8:40. At 9:50 mustered at quarters, absentees E. H. Thornette (9c 3d). Held setting up exercises. The Captains of the "Kearsarge" and "Massachusetts" called officially on the Captain. The Captain called officially on the Commander in Chief of North Atlantic Station, and on the Captain of the U. S. S. Annapolis. G. A. Applegath (A.S.) was this day discharged from the Naval service by reason of purchase. The Annapolis left the harbor at 11:00 standing to West'd. L. Elliott (A.S.) was granted leave until January 3d. Released C. T. Coats (A.S.), from confinement, and placed E. J. McMahon (A.S.), in solitary confinement on bread and water for 3 days, as per punishment assigned.

Ralph Earle, Ensign U. S. N.

Meridian to 4 P. M.

Clear and cool. Hazy at end of watch. Calm to light variable breze. Ship swinging to flood tide at 3:05 P. M. W. L. Shuster (Ldr), was this day discharged from the Naval service by reason of the expiration of his term of enlistment. W. A. Vick (A.S.), was granted leave of absence 3 days, then to report to the U. S. R. S. Franklin Navy Yard Norfolk Va. Barometer falling.

W. H. Parker
Lieutenant U. S. N.

4 to 8 P. M.

Fair and cool. Light E. N. E'ly airs and breezes. Barometer steady. Went to quarters and exercised at setting up at 4:30.

Ralph Earle,
Ensign U. S. N.

8 P. M. to Midnight

Clear and cool. Light to gentle breezes from W. S. W. to S. W. Ship swung to ebb tide at 9:30 P. M. Barometer steady.

W. H. Parker
Lieutenant U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieutenant U. S. N.
Navigator.

4—200

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

At anchor Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1				W by S.	S W.	2			30.28.	52.	41.	40.		b-c-m.	Ci-Strus		4.	
2				"	"	2.			30.28.	52.	41.	40.		"	S.	"	2.	
3				"	"	3.			30.29.	52.	41.	40		b-c.	"	"	2.	
4				S by W.	"	3.			30.29.	52.	41.	40.		"	"	"	2.	
5				East.	"	3.			30.28.	50.	41.	40.		"	"	"	4.	
6				"	"	3.			30.29.	55.	41.	40.		"	"	"	4.	
7				E by N.	"	3.			30.29.	55.	41.	40.		"	Ci-S	"	4.	
8				N E by E.	"	3.			30.31.	57.	42.	40		"	"	"	4.	
9				W N W.	"	2.			30.32.	58.	43.	42.		b-c-m.	"	"	3.	
10				West.	W S W.	3.			30.33.	58.	48.	42.		"	"	"	7.	
11				"	"	3.			30.32.	58.	48.	43		"	"	"	2.	
Noon.				W by S.	"	3.			30.30.	57.	47.	43		"	Ci.	"	2.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ Fore Aft
76-72 78-71

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 1520 lbs.

Coal remaining on hand at noon, 48 " 2073 "

P. M.															
1			W by S.	W S W.	3.			30.30.	57.	55.	53.		b-c-m.	Ci-Cu-Strus	5.
2			W S W.	"	2.			30.28.	59.	55.	53.		"	"	6.
3			"	S W.	2.			30.32.	54.	51.	49.		"	Ci-Cu-S	6.
4			W N W.	"	2.			30.30.	53.	51.	49.		"	"	6.
5			E N E.	W S W.	2.			30.33.	50.	50.	48.		"	"	4.
6			"	"	2.			30.32.	50.	50.	48		"	"	5.
7			"	"	1.			30.24.	57.	48	47		"	Ci.	4.
8			"	"	1.			30.25.	52.	47	46		"	"	5.
9			W N W.	South	3.			30.26.	49.	48.	47		"	S-Cu	7.
10			West.	"	3.			30.27.	48.	47	46		c-c-m.	"	10.
11			"	S S W.	3.			30.25.	48.	47	46		b-c-m.	"	8.
Mid.			W S W.	"	3.			30.24.	45.	46.	44.		"	"	8.

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday December 19th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cool. Light to gentle breze from S.W. Barometer steady.
F. R. Baldwin
Lieutenant. U. S. N.

4 to 8 A.M.
Fair and cold. Gentle S.W'ly breezes. Barometer nearly steady. Moon rose at 5:10. Swung to flood 4:30 to 4:35. Did not send apprentices over masthead on of inclement weather. At 7:30 flagship made General signal 735.
Ralph Earle,
Ensign. U. S. N.

8 A.M. to meridian.
Clear and fine. Gentle breze from W.S.W. Barometer steady. Ship swinging to ebb tide at 8:46. At 9:30 went to quarters for muster. The apprentices turned in blankbags. Piped down hammocks. and lashed up bags and hammocks of apprentices ready for transfer. The Commanding Officer paid an official call on Colonel Gunther U.S.A. Commandant of Fort Monroe. Ens. McMahon (CEC), released from confinement his term of confinement having expired
Lieutenant. U. S. N.

meridian to 4 P.M.
Clear and pleasant. Light to gentle breze from W.S.W and S.W. The following named apprentices were granted leave till January 3rd and their accounts transferred to Receiving Ships: to the Franklin. (see list), to the Richmond (see list) to the Vermont (see list) and to the Wabash (see list).
F. R. Baldwin Lieutenant. U. S. N.

4 to 8 P.M.
Clear and hazy. Light breeze to light airs from W.S.W. Ship swing to flood tide at 4 P.M. The following named apprentices were granted leave until January 3rd (see list). Barometer rising slowly
Lieutenant. U. S. N.

8 P.M. to midnight.
Hazy and cool. Gentle breze from South and S.S.W. Ship swung to ebb at 7:00.
F. R. Baldwin Lieutenant. U. S. N.

Examined and found to be correct.

C. F. Leiper
Lieutenant. U. S. N.
Navigator.

4—355

Apprentices(2"class) transferred to the U.S.R.S.Richmond.

T.Murrayos.	A.W.Satterfield.	E.J.Stewart.
F.T.Shriver.	J.E.Colter.	C.W.Ley.
E.J.Hayes.	D.J.Connor.	C.S.Griffith.
J.Lovett.	C.S.Roberts.	C.I.McGlinn.
C.A.Howarth.	P.S.Bowen.	R.S.Dimpfel.
F.P.Fiedler.	W.O.Roberts.	W.A.Rodgers.
O.D.Prime.	J.W.Welwadel.	E.F.Fuller.
W.L.Armstrong.	C.S.McVey.	A.D.Fisse...
D.Jones.		

Apprentices(2"class) transferred to the U.S.R.S.Wacasa.

E.T.Gate.	H.C.Francis.	W.H.Bellin.
J.T.Murray.	H.W.Satterfield.	H.L.Stratton.
J.H.McAugary.	F.E.W.Cobb.	C.S.Lane.
W.Greenwood.	J.W.Witherell.	W.H.H.Thompson.
J.E.Sheridan.	T.F.Harrigan.	A.A.Martin.

Apprentices(2"class) transferred to the U.S.R.S.Vermont.

F.Townley.	F.Raabe.	C.W.Shaw.
A.J.Schmidt.	J.F.Sargent.	H.C.Schrader.
J.E.Collins.	C.F.Robinson.	N.W.Mason.
E.A.Seiermeister.	F.Messenger.	J.N.Sligh.
C.A.Fawns.	A.R.Gross.	J.H.Reilly.
H.I.Andresen.	L.C.Emmons.	O.J.Saltnorth.
D.Duffy.	E.A.Stersing.	J.Zutt.
A.J.Smith.	G.H.Clay.	W.T.Stems.
F.W.Bitmars.	C.McDuff.	W.Nichols.
P.J.Windecker.	A.J.Delpiano.	R.J.Storck.
W.H.Ziegenbalg.	F.Sigel.	C.J.Egler.
W.A.Burg.	H.Pless.	E.J.McMahon.
A.F.Goodrich.		

Apprentices(2"class) transferred to the U.S.R.S.Franklin.

E.Glass.	J.Cardella.	W.A.Vick.
M.D.Conroy.	A.C.S.Sloane.	J.W.Keim.
A.W.Friilman.	C.A.Fisher.	D.M.Foote.
R.A.Went.	R.H.Mostyn.	R.H.Stands.
A.J.Nolan.	L.Pashke.	J.L.Jolly.
A.M.Duffy.	T.W.Johnson	R...Pattrid...

S.Zemanek.	W.A.Snider.	J.C.Ramcleuski.
J.L.Hester.	C.A.Dubourg.	C.T.Williams.
E.L.Dieconne.	C.J.Crevoisie.	A.J.Lancaster.
J.C.Kaccina.	R.C.Tichenor.	C.A.Hadra.
J.S.Becker.	E.C.Cowley.	C.Rooks.
C.C.Kehling.	M.T.Senveta.	W.F.Hanna.
W.L.Howard.	C.A.Canfield.	U...ington.
T.F.Purdon.	W.H.Dodge.	H.C.Collins.
C.L.Jones.	F...Lepernick.	W.E.Reed.
W.A.Horn.	F.J.Schmidt.	F.A.Dougherty.
A.Langfield.	W...Wallace.	

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				E by S	S S W.	1.			30. 24.	48.	45.	45.		b m	nmc.	Nne	0.	
2				"	"	1.			30. 23.	48.	45.	45.		"	"	"	0.	
3				"	"	1.			30. 22.	46.	45.	45.		"	"	"	0.	
4				E S E.	"	1.			30. 19.	45.	45.	45.		"	"	"	0.	
5				E by N.	S W.	2.			30. 20.	47.	46.	45.		b c m.	Cu.	"	1.	
6				"	"	1.			30. 19.	55.	46.	45.		"	S Cu	"	4	
7				"	S S W.	1.			30. 18.	54.	47.	45.		o c m.	St.	"	10.	
8				East.	"	2.			30. 18.	55.	48.	46.		"	"	"	10.	
9				"	"	2.			30. 16.	55.	47.	46.		o c m d	S Cu	"	10.	
10				S W	"	3.			30. 14.	55.	48.	45.		o c m.	"	"	10.	
11				Various.	"	3.			30. 12.	55.	48.	45.		"	"	"	10.	
Noon.				"	"	3.			30. 08.	55.	46.	46.		"	"	"	10.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag Temp.
Longitude by ° ′ ″ — Sea Air

Position at noon: Latitude by observation ° ′ ″ — 76-72. 76-71
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 5 tons, 270 lbs.

Coal remaining on hand at noon, 43 " 3 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				E S E.	Calm.	0.			30. 06.	57.	45.	45.		o c m.	S-Cu	Nne	10.	
2				N E.	"	0.			30. 05.	57.	45.	45.		"	"	"	10.	
3				N by W.	"	0.			30. 04.	55.	47.	47.		"	"	"	10.	
4				"	N E.	2.			30. 03.	54.	48.	47.		o c d	"	"	10.	
5				"	"	2.			30. 02.	54.	46.	46.		"	"	"	10.	
6				"	"	2.			30. 01.	54.	44.	44.		"	"	"	10.	
7				N by E.	"	1.			30. 00.	55.	45.	45.		o c m.	"	"	10.	
8				N N E.	E N E.	3.			30. 00.	56.	46.	46.		b c m.	S.	"	6.	
9				swinging to bbl.	"	2.			29. 99.	56.	46.	46.		"	"	"	7.	
10				East	"	3.			29. 99.	55.	45.	45.		o c m.	Nimb	"	10.	
11				"	N E.	4-5.			29. 96.	55.	45.	45.		"	"	"	10.	
Mid.				"	"	5.			29. 93.	51.	43.	43.		"	"	"	10.	

1-26

under the command of Commander R G Davenport , U. S. Navy,

Thursday December 20th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.
Clear and cold. Misty. Light breze from S & W. Barometer falling slowly. At 4:00 lighted fires under A" and C" boilers.

R W Henderson
Ensign U S N

4 to 8 A M.
Overcast and cool. Light airs to light breze from S W to S & W. Barometer falling slowly. Making preparations for getting under way. At 7:30 Flagship made General signal 735.

W R Edwards
Lieutenant U S N

8 A M to Meridian.
Overcast misty and raining. Gentle breze from S & W. At 9:15 ship started to swing to eb. At 9:15 made General signal Secret 131. Hearsay Granted. At 9:30 got under way and under conn of Captain and Navigator started up for Norfolk Roads. Ships draft, Forward 18 ft 5" Aft 16 ft. At 11:00 stopped off Quarantine Station waiting for Doctor. Stopped rest of watch. Av R P M 48 Av Revs 314.

L R Baldwin
Lieutenant U S N

Meridian to 4 P M.
Overcast cloudy, rainy and foggy. Calm. Barometer falling slowly. Standing for anchorage at Norfolk Roads, having left quarantine station at 12:10. At 12:42 came to anchor off Naval Hospital in 4 fathoms, 1 shot chain and veered to 30 fathoms chain. Bearings from anchorage light pole on Hospital wharf S 81° E, Stack on top of Hospital S 11° W. Ships head N E by N. Sounded over stern in 4 fathoms as ship swung at beginning of flood tide. The Commanding Officer left the ship to visit Navy Yard officially. Lieutenant Commander J A Rees visited ship officially to inspect Engineer Department for repairs. Let fires die out under A" and C" Boilers and returned steam on D" Boiler for auxiliary purposes

R W Henderson
Ensign U S N

4 to 8 P M.
Overcast and cool. Light airs to gentle breze from N E and E N E. Ship riding to flood. At 4:30 in accordance with orders from the Bureau of Navigation discharged from this ship and from the Naval Service A Thornett (A3C), J Price (A3C), E J Lisle (A3C), L B Jackson (A3C), E M Jackson (A3C), F F Layer (A3C), J E Mefield (A3C), W T Eby (A3C), J M Fitzgerald (A3C), T J Kelly (A3C), N C Blood (A3C), C McCaffrey (A3C), J Bannon (A3C), C Crawford (A3C), T McKernan (A3C), and R J Odair (A3C) by reason of inaptitude; J Johnson (M A3C) dishonorably discharged by sentence of Summary Court Martial for stealing, and J Meagher (C M 1C) by reason of expiration of enlistment. Transferred to the U S S Franklin with log and hammock and necessary papers G Burk (A3C) Orig E J Leiper, U S Navy, left the ship on two days leave.

L R Baldwin
Lieutenant U S N

8 P M to Midnight.
Overcast and cloudy. Gentle to stiff breze from E N E to N E. At 8:30 lighted fires in boiler C" and started one steam forward hauled down. At 8:30 hove in port chain to 15 fathoms. Watching.

E L Brach. Lieutenant U S N

Examined and found to be correct.

E J Leiper,
Lieutenant U. S. N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" **3rd Rate,**

at anchor Norfolk Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 is 1.	State of the Sea.
A. M.																		
1				N 6 by E.	N N E.	5			29.70	52.	42.	42.		b c g.	S Cu	Nb.	9.	
2				"	"	5-6.			29.87	52.	42.	42		o c d g.	S Cu	"	10.	
3				N by W.	"	5-6.			29.82	52.	42.	42.		"	"	"	10.	
4				N N W.	North.	5-6.			29.87	51.	41.	41.		"	"	"	10.	
5				"	"	5-6.			29.82.	51.	40.	40.		o c m n g.	"	"	10.	
6				"	"	5-6.			29.78.	51.	40.	40.		"	"	"	10.	
7				"	"	5-6.			29.78.	53.	40.	40.		"	"	"	10.	
8				"	"	5-6.			29.76.	53.	40.	40.		"	"	"	10.	
9				N by W.	N N E.	5-6.			29.74.	53.	41.	39.		o c g d.	Cu N.	"	10.	
10				"	"	5-6.			29.72.	54.	39.	39.		"	"	"	10.	
11				N N E.	North.	6.			29.75.	54.	38.	38.		"	"	"	10.	
Noon.				"	"	5-7.			29.78.	54.	38.	38.		"	"	"	10.	

Position at 8 A. M. { Latitude by ° ′ ″ May Jamp.
Longitude by ° ′ ″ For Aft.

Position at noon: { Latitude by observation ° ′ ″ 76-72. 78-71.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 2 tons, 1160 lbs.

Coal remaining on hand at noon, 40 " 1083 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10 is 1.	State of the Sea.
P. M.																		
1				N by W.	North.	6-7.			29.80.	54.	38.	38.		o c g n.	S Cu N.		10.	
2				"	N N W.	6-7.			29.81.	54.	38.	38.		"	"		10.	
3				"	"	6-7.			29.83.	54.	38.	38.		"	"		10.	
4				"	"	6.			29.86.	54.	37.	37.		"	"		10.	
5				"	"	4.			29.95.	52.	37.	37.		"	"		10.	
6				N W.	"	4-6.			29.97	52.	36.	36.		"	"		10.	
7				"	"	4-6.			30.01.	52.	36.	36.		"	"		10.	
8				"	"	3.			30.03.	52.	35.	35.		b c.	Ci Cu		2.	
9				N N W.	"	3.			30.03.	51.	35.	35.		b	none.		0.	
10				"	"	3.			30.03.	51.	34.	34.		"	"		0.	
11				East.	"	3.			30.06.	51.	34.	34.		"	"		0.	
Mid.				"	"	2.			30.08	51.	34.	34.		b c.	Ci.		1.	

under the command of Commander R. G. Davenport, U. S. Navy,

Friday, December 21st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 2 A.M.
Overcast and cloudy. Stiff breeze N.N.E. Steam on boilers "A" and "D" for auxiliary purposes.
Distilling

E. L. Beach
Lieutenant, U.S.N.

2 to 4 A.M.
Overcast with drizzling rain and a little snow. Stiff breeze from N.N.E. Riding to mid. Distilling

J. R. Eldridge Lieutenant U.S.N.

4 to 8 A.M.
Overcast and squally. Heavy rain. Stiff breeze from North. Distilling

J. R. Eldridge Lieutenant U.S.N.

8 A.M. to Meridian.
Overcast and stormy. Fresh breezes from N.N.E. to N. Mustered at 9:30. B.C. Byrk (1st c) absent over leave. A reward of $10.00 was offered for his delivery on board. Sent ammunition as per appended list to Ensign Stone Keeper Navy Yard, Norfolk, Va. from Ordnance Department U.S.S. Essex [illegible] of 6mm Cartridges (1000) were accidentally dropped overboard. A.L. Brown (mus 1st c) J. Spires (1st mech) and [illegible] (1st cook) returned from leave, 3 hours over time. A Board of Survey, of which Surgeon Lelmont Biddle, U.S.N. was senior member, met on board. Distilling. Steam on boilers "A" and "D".

E. L. Beach.
Lieutenant, U.S.N.

Meridian to 4 P.M.
Overcast and stormy. Fresh to very fresh breeze from N. to N.N.W. R. Thiers (1st c) was this day discharged from the Naval service in pursuance to sentence of S.C.M. J. Hoffman (Bm 2c) was this day transferred to U.S.S. Independence Mare Island Navy Yard for discharge and with necessary papers. Made weekly test of magazine flood and drain cocks, and found same in good condition except drain cocks of torpedo room. Barometer rising slowly.

W. W. Walker
Lieutenant, U.S.N.

4 to 8 P.M.
Overcast and cloudy. Moderate to fresh breeze from N.N.W.

E. L. Beach.
Lieutenant, U.S.N.

8 P.M. to midnight.
Calm and cold. Gentle breeze from N.N.W. Ship swinging to ebb tide at 10:20. Barometer rising.
Ensign R. Earle, U.S.N. returned from 48 hours leave.

W. W. Walker
Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Lasher
Lieutenant, U.S.N.
Navigator.

4—916

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

at anchor Norfolk Roads. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1				N 6 by E.	N N E.	5			29. 70	52.	42.	42.		b-c-g.	S Cu Nb		9.	
2				"	"	5-6.			29. 87.	52.	42.	42		c-c-d-g.	S-Nim	"	10.	
3				N by E.	"	5-6.			29. 82.	52.	42.	42.		"	"	"	10.	
4				N N E.	North.	5-6.			29. 87.	51.	41.	41.		"	"	"	10.	
5				"	"	5-6.			29. 82.	51.	40.	40.		c-c-n-g.	"	"	10.	
6				"	"	5-6.			29.78.	51.	40.	40.		"	"	"	10.	
7				"	"	5-6.			29. 78.	53.	40.	40.		"	"	"	10.	
8				"	"	5-6.			29.76.	53.	40.	40.		"	"	"	10.	
9				N by E.	N N E.	5-6.			29.74.	53.	41.	39.		c-c-g-d.	Cu N.	"	10.	
10				"	"	5-6.			29.72.	54.	39.	39.		"	"	"	10.	
11				N N E.	North.	6.			29.75.	54.	38.	38.		"	"	"	10.	
Noon.				"	"	5-6			29.78.	54.	38.	38.		"	"	"	10.	

Position at 8 A. M. { Latitude by / Longitude by

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R.

Course made good since preceding noon:

Distance made good since preceding noon:

Distance by Log since preceding noon:

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours,

Water distilled during the preceding 24 hours,

Water remaining on hand fit for use at noon,

Coal consumed during the preceding 24 hours,

Coal remaining on hand at noon,

9 Packing cases.
4 Rolls paper targets.
33 Cases small arm ammunition.
56.4" Empty boxes.
56.4" " cases.
14.6pr " boxes.
154. " " cases.
3.1pr " boxes.
96. " " cases.
6.200lbs powder tanks.
1.100lbs " tanks.
Transferred from Ord Dept U.S.S.Essex. to
General Storekeeper Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each in tenths.	State of the Sea.
P. M.																		
1				N by E.	North.	6-7.			29.80.	54.	38.	38.		c-c-g-r.	S Cu N.		10.	
2				"	N N E.	6-7.			29.81.	54.	38.	38.		"	"		10.	
3				"	"	6-7.			29.83.	54.	38.	38.		"	"		10.	
4				"	"	6.			29.86.	54.	37.	37.		"	"		10.	
5				"	"	4.			29.95.	52.	37.	37.		"	"		10.	
6				N E.	"	4-6.			29.97	52.	36.	36.		"	"		10.	
7				"	"	4-6.			30.01.	52.	36.	36		"	"		10.	
8				"	"	3.			30.03.	52.	35.	35.		b-c.	Cirr.		2.	
9				N N E.	"	3.			30.03.	51.	35.	35.		b	none.		0.	
10				"	"	3.			30.03.	51.	34.	34.		"	"		0.	
11				East.	"	3.			30.06.	51.	34.	34.		"	"		0.	
Mid.				"	"	2.			30.08.	51.	34.	34.		b-c.	C..		1.	

4-94

LOG of the UNITED STATES Training Ship "Essex". **3d Rate,**

At anchor Norfolk Roads Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				S E.	N W.	2.			30.09.	52.	33.	33.		b.	none.	none.	0.	
2				South.	"	1.			30.11.	52.	33.	38		"	"	"	0.	
3				"	"	1.			30.11.	52.	33.	33.		"	"	"	0.	
4				S W.	"	1.			30.13.	51.	33.	33.		"	"	"	0.	
5				N W by W.	Calm.	0.			30.15.	51.	31.	31.		b.c.	Ci.	"	1.	
6				"	"	0.			30.18.	50.	31.	31.		"	"	"	1.	
7				"	W by S.	2.			30.19.	50.	31.	31.		"	"	"	1.	
8				"	"	2.			30.19.	50.	31.	31.		"	"	"	1.	
9				"	"	1.			30.23	50.	33.	33.		"	"	"	1.	
10				"	"	1.			30.25.	47.	35.	35.		"	"	"	1.	
11				S E.	South.	2.			30.24.	48.	41.	41.		"	"	"	3.	
Noon.				"	"	2.			30.23.	50.	51.	47		"	"	"	4.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″ — Mag Temp. For Aft. 75-73. 74-73.

Position at noon: Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, 1 tons, 1650 lbs.

Coal remaining on hand at noon, 38 " 1673 "

P. M.														
1			S S E.	S E.	1.			30.24.	52.	51.	50.	b.c.m.	S	none. 3.
2			"	"	1.			30.26.	52.	51.	50.	"	"	" 3.
3			S E by S.	S S E.	1.			30.26.	55.	52.	50.	"	Ci.S.	" 3.
4			S E.	Calm	0			30.27.	54.	50.	49.	"	"	" 2.
5			S by W.	S S E.	1.			30.28.	54.	48.	47.	"	S.Cu.	" 4.
6			"	"	1.			30.29.	54.	47.	46.	"	"	" 4.
7			N W by W.	Calm	0.			30.30.	57.	45.	43.	"	"	" 2.
8			"	"	0.			30.30.	57.	43.	42.	b.m.	none.	" 0.
9			N W.	S S E.	1			30.32.	56.	42.	42.	b.c.m.	Ci.	" 1.
10			"	"	1			30.33.	56.	42.	42.	"	"	" 1.
11			N E.	"	2.			30.34.	55.	41.	40.	"	"	" 1.
Mid.			S E by E.	"	2.			30.35.	55.	40	40.	b.m.	none.	" 0.

4—845

under the command of Commander R J Davenport, U. S. Navy,

Saturday December 22nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.

Clear and cold. Light N W by N breezes. Barometer rose slightly. Swung to flood 3:00 to 3:30.

Ralph Earle,
Ensign. U. S. N.

4 to 8 A M.

Clear and cold. Calm and light airs from N W. Lieutenant F. P. Baldwin left ship, he being detached by order of Navy Department, and ordered to duty at Naval Academy.

E. H. Beach
Lieutenant. U. S. N.

8 A M to Meridian.

Clear and cool. Light airs from W by S to light Southerly breze. Received in Equipment stores 35 coaling baskets. The U. S. Tug "Mohawk" came alongside and discharged 5000 gallons water. Barometer steady. Brought to port chain and spread fires ready to shift berth. Chronometer R. A. Bjork (Asst.). Ship swung to ebb tide at 10:30.

H. H. Bowers
Lieutenant. U. S. N.

Meridian to 4 P M.

Clear and fine. At 1:00 P M got underway and shifted berth towards center of channel. At 1:25 P M dropped anchor in 5½ fathoms and veered to 15 fathom on port chain. Bearings from anchorage, Flagstaff of Naval Hospital S 11° W. End of narrow stream Southern R R buoy N 60° W. Ship heading S 49° W. The Commanding imposed following punishments, F J Heuty (C M) returning from Navy Yard on duty under influence of liquor 4th class. J Spiers (C Mate) 2½ hours overleave reduced to 4th class. A L Brown (Coach 1st C) and J Cookery (Shipwright) 2½ hours overleave reduced to 3rd class. C A M Mannix (Sc 1st C). P. J. Schafer (Pvt), U. S. M. C. and R Wright (Cox) transferred to Hospital for treatment. C J Bittenbender (O S), discharged by purchase. F J Rowe (A B) transferred to "U. S. R S Franklin" for discharge. Permanent appointment as Jno 1st class issued to C H Case. To date from December 7th 1900.

H. H. Bowers
Lieutenant. U. S. N.

4 to 8 P M.

Clear and partly cloudy. Light airs from S S E to calm. Received in Navigators stores the following Stores, 2 Smith Logs, 12 Rough Logs, 200 Ships pennants "6, 6 Compass reports "7, 2 Boatswains pipes "9, 50 Red and 50 Red Lamps night signals.

Chaplain Gill U. S. N. left ship on twelve days leave. Ensign R Earle U. S. N. left ship on leave.

Barometer rising. Received in Pay stores fresh provisions as follows 72 lbs meat 72 vegetables.

H. H. Bowers
Lieutenant. U. S. N.

8 P M. to Midnight.

Clear and cool. Light airs to light breze from S S E. Barometer rising. Ship swung to ebb tide at 10:20.

H. H. Bowers
Lieutenant. U. S. N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant. U. S. N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3d. Rate,

At anchor Norfolk Roads. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, each in ck.	State of the Sea.
A. M.																		
1				S Eby E	S E.	2.			30.32.	51.	42.	41.		b.m.	none.	none.	0.	
2				"	"	2.			30.30.	51.	42.	41.		"	"	"	0.	
3				"	"	2.			30.28.	51.	42.	41.		"	"	"	0.	
4				"	"	2.			30.26.	51.	43.	42.		"	"	"	0.	
5				"	"	2.			30.18.	54.	44.	44.		"	"	"	0.	
6				N W by W.	S S E.	2.			30.10.	54.	44.	44.		o.c.	S.Cu.	"	10.	
7				"	"	3.			30.12.	55.	44.	44.		"	"	"	10.	
8				"	"	3.			30.13.	53.	48.	48.		"	"	"	10.	
9				"	"	3.			30.11.	53.	54.	54.		"	"	"	10.	
10				W N W.	"	3.			30.10.	53.	55.	55.		c.s.d.	S.Cu.	"	10.	
11				S Eby S.	"	3-4.			30.10.	58.	55.	54.		"	"	"	10.	
Noon.				"	"	3.			30.15.	56.	56.	55.		b.c.m.	"	"	8.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Jump. / Longitude by ° ′ ″ 74-73. 72-70.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 2 50 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 1140 lbs.

Coal remaining on hand at noon, 38 " 1163 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, each in ck.	State of the Sea.
P. M.																		
1				S E.	S S E.	3.			30.14.	60.	63.	63.		b.c.	S.Cu.	none.	5.	
2				"	"	3.			30.15.	64.	64.	64.		"	"	"	7.	
3				"	"	3.			30.11.	66.	65.	65.		"	"	"	8.	
4				S S E.	"	3-4.			30.11.	68.	68.	68.		"	b.Cu.	"	6.	
5				S by W.	South.	4.			30.11.	67.	66.	66.		"	Cu.S.	"	7.	
6				S W by S.	"	4-5.			30.12.	67.	64.	64.		"	"	"	7.	
7				W S W.	"	5.			30.12.	67.	62.	62.		"	"	"	9.	
8				"	"	4-5.			30.10.	67.	62.	62.		b.c.g.w.	"	"	9.	
9				"	"	4.			30.10.	67.	62.	62.		b.c.l.	"	"	9.	
10				"	"	3.			30.10.	68.	62.	62.		"	"	"	7.	
11				S S E.	"	3.			30.10.	68.	62.	62.		b.c.	b.Cu.	"	10.	
Mid.				"	"	3.			30.09.	68.	62.	62.		"	"	"	6.	

under the command of Commander R G Davenport, U. S. Navy,

Sunday December 23rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M.
Clear and fine. Barometer falling. Light breeze from S E.

E L Beach
Lieutenant U.S.N.

4 to 8 A M.
Hazy and overcast. Light to gentle breeze from S S E. Barometer rising. Received on Pay Stores 75 lbs fresh bread. J Fuly (ch C'm) placed in double irons to await action of Commanding Officer for being under the influence of liquor.

E L Beach
Lieutenant U.S.N.

8 A M to Meridian.
Fair and pleasant. Gentle breeze from S S E. Went to quarters at 9:30 and Commanding Officer inspected ship and crew. Absent over leave R O Bjork (Sea) and L S Ellis (Sea), a reward of ($10.00) ten dollars was offered for the latter. All hands were called to muster and Navy Department orders were read. Steam on boiler "D" for heating Ship.

E L Beach
Lieutenant U.S.N.

Meridian to 4 P M.
Fair and pleasant. Gentle breeze from S E.
M. Anderson (Boatsw) and C. J. Kimmel (Gun'r) left the ship on three day leave.

E L Beach
Lieutenant U.S.N.

4 to 8 P M.
Fair and pleasant. Moderate breeze from South.

E L Beach
Lieutenant U.S.N.

8 P M to Midnight.
Fair and pleasant. Moderate to gentle breeze from South. By order of Commanding Officer J Fuly (ch C'm) is to be confined from 7 P M to 7 A M in cell without irons, and on both deck from 7 A M to 7 P M in double irons, for safe keeping. In accordance with above. Fuly was put in cell for night.

E L Beach
Lieutenant U.S.N.

Examined and found to be correct.

F. F. Lafler,
Lieutenant U.S.N.
Navigator.

4—256

LOG of the UNITED STATES Training Ship Constellation 3rd Rate,

At anchor Norfolk Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1				S E by S.	S S W.	2.			30.09.	67.	62.	62.		b-c-w.	S. Cu.	S	4.	
2				"	"	2.			30.10.	67.	62.	62.		"	"	"	4.	
3				"	"	2.			30.11.	67.	62.	62.		"	"	"	4.	
4				S S E	South.	3.			30.12.	66.	62.	62.		o-c-w.	Cu. H.	"	1a.	
5				"	"	3.			30.10.	64.	61.	61.		o-c-p.	"	"	1a.	
6				"	"	2.			30.08.	64.	60.	60.		"	"	"	1a.	
7				W by W.	West.	3.			30.06.	65.	60.	60.		b-c-w.	"	"	1a.	
8				W N W.	W S W.	2.			30.06.	62.	61.	61.		b-c-m.	Cu. S.	Nimb.	8.	
9				"	"	2.			30.07.	61.	61.	61.		"	"	"	8.	
10				W S W.	"	2.			30.06.	62.	61.	61.		"	"	"	8.	
11				South.	"	2.			30.06.	62.	61.	61.		"	"	"	8.	
Noon.				"	"	2.			30.06.	62.	61.	61.		"	"	"	8.	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For Aft.

Position at noon: Latitude by observation ° ′ ″ 74-73 72-70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 3 00 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 1 tons, 12-0 lbs.

Coal remaining on hand at noon, 37 " 1143 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eastern.	State of the Sea.
P. M.																		
1				S S E.	S W.	2.			29.96.	63.	65.	63.		b-c-m.	Cu. Cu-Nimb.	"	6.	
2				S E.	"	3.			29.96.	63.	65.	63.		"	"	"	6.	
3				"	"	3.			29.96.	63.	64.	63.		"	"	"	6.	
4				"	"	3			29.96.	63.	64.	63.		"	"	"	6.	
5				S S E.	"	2.			29.96.	63.	64.	63.		"	"	"	6.	
6				"	"	2.			29.98.	64.	61.	60.		"	"	"	6.	
7				W by W.	"	2.			29.98.	65.	59.	59.		"	"	"	6.	
8				S W.	"	2.			29.98.	64.	57.	56.		"	Cu. S.	"	6.	
9				W.	"	2.			29.99.	62.	54.	53.		"	"	"	6.	
10				"	"	2.			30.00.	60.	51.	50.		"	"	"	6.	
11				"	"	2.			30.00.	60.	51.	50.		"	"	"	6.	
Mid.				"	"	2.			30.00.	60.	51.	50.		"	"	"	6.	

4-25

under the command of Commander R. F. Davenport. , U. S. Navy,

Monday. December 24th ,1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Genraly cloudy. Light breeze from S.S.W. Steam on boiler D for heating ship.

E.H. Beach Lieutenant. U.S.N.

4 to 8 P.M.
Overcast and cloudy. Passing showers at 5:00 Gentle breeze from South. Steam on boiler D for heating ship. By order of Commanding Officer, J. Feely (Sea) released from cell and placed in double irons on battle deck. Liberty party returned except C. Johnson (3rd C) M.J. Hogan (Sea) and J. H. Gill (Sea), returned light and are put in double irons for safe keeping by order of Commanding Officer. Received in Pay Dept 58 lbs fresh beef, 72 lbs meat and 72 lbs vegetables.

E.H. Beach
Lieutenant. U.S.N.

8 P.M. to Meridian.
Fair and warm. Light breeze from N.N.W. Mustered at 9:30 R.C. Bjorke (Sea), and L.L. Ellis (BS), absent without leave. At 8:30 the board of Inspection composed of Captain R.D. Evans U.S.N., Commander Rodkey U.S.N. and Naval Constructor Capps U.S.N. came on board to inspect ship for necessary repairs. Later Constructor from Yard and Engineer, came on board. U.S.S. Annapolis left

E.H. Beach
Lieutenant. U.S.N.

Meridian to 4 P.M.
Fine and pleasant. Light to gentle breeze from S.W. The board of Inspection of which R.D. Evans Captain U.S.N. was senior member left the ship at 2:30 P.M. J.H. Gill (Sea), and M.J. Hogan (Sea). released from confinement.

W.W. Gilson
Lieutenant U.S.N.

4 to 8 P.M.
Fine and pleasant. Light S.W. by breeze. The Captain left the ship on one weeks leave of absence from December 25. At 5:30, commenced swinging to flood tide. Barometer steady. Received in Pay Department 72½ lbs. fresh meat 58 lbs bread, and 72 lbs of vegetables.

W.W. Gilson
Lieutenant. U.S.N.

8 P.M. to Midnight.
Fine and pleasant. Light S.W. by breeze. Barometer steady.

W.W. Gilson
Lieutenant. U.S.N.

Examined and found to be correct.

E. F. Looper
Lieutenant. U.S.N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Norfolk Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Form.	CLOUDS. Amount, sometimes.	State of the Sea.
A. M.																		
1				East.	S W.	2.			28.99	60.	49.	48.		b. c.	Cu.	None	5.	
2				"	N W.	3.			29.99	60.	47.	46.		"	"	"	4.	
3				"	"	3-5.			29.98	60.	45.	45.		b. c. g.	"	"	3.	
4				E. N. E.	"	3.			29.98	59.	44.	43.		"	"	"	3.	
5				N. E. by N.	N W by W.	3-4.			29.97	55.	44.	43.		b. c.	"	N W.	4.	
6				"	"	4.			30.00	55.	44.	43.		"	"	"	3.	
7				"	"	4.			30.03.	56.	44.	43.		"	Cu-Cu	"	8.	
8				"	"	4.			30.08.	56.	44.	43.		"	"	"	6.	
9				N W.	"	3.			30.11.	56.	44.	43.		"	"	"	3.	
10				"	"	3.			30.11.	56.	44.	43.		"	"	"	3.	
11				"	N N W.	2.			30.09.	56.	45.	44.		"	"	"	2.	
Noon.				"	"	2.			30.08	56.	45.	44.		"	"	"	2.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ Cor. Aft.

Position at noon: { Latitude by observation ° ′ ″ 75-73. 71-70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2050 "

Coal consumed during the preceding 24 hours, 2 tons, 450 lbs.

Coal remaining on hand at noon, 35 " 593 "

P. M.																		
1	Moved to Dock in Navy Yard			S W.	2.			30.06.	54.	54.	51.		b. c.	Cu.	St.	2.		
2				S W by W.	3.			30.02.	54.	55.	51.		"	"	"	2.		
3				"	3.			30.03.	54.	53.	49.		"	Cu.	"	2.		
4				S W.	4.			30.04.	54.	53.	48.		"	"	"	1		
5				"	2.			30.04.	54.	52.	49.		"	Cu-Cu.	"	3.		
6				"	2.			30.04.	54.	52.	49.		"	"	"	1		
7				"	1.			30.05.	56.	52.	49.		"	Cu.	"	1		
8				"	1.			30.08.	56.	52.	49.		"	"	"	1		
9				Calm	0.			30.09.	52.	44.	41.		b. c-m.	None.	Haze	0		
10				"	0			30.10.	52.	42	38		"	"	"	1		
11				"	0.			30.10.	51.	46	36.		"	"	"	0		
Mid.				"	0.			30.10.	50.	37	35.		"	"	"	0		

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday December 25th, 1906.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy. At 1 A.M. finished swinging to ebb tide. Light S.W.by.W. breze to gentle N.W.by.W. breze. Barometer steady.

W. K. Dalton
Lieutenant, U. S. N.

4 to 8 A.M.

Fine and pleasant. Gentle to moderate breze from N.N.W. At 5.30 commenced to swing to flood tide. Barometer rising. Ensign R. Earle, U.S.N. returned from leave of absence.

W. K. Dalton
Lieutenant, U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to light breze from N.W.by.N. to N.N.W. Barometer falling. At 9:30 mustered, absentees, R.O. Bjork (clk), and L.L. Eells (Mch). J. Saxton (cP), returned on board 2 hours overtime. Transferred J. Sterling, (cP), a general court martial prisoner to the "Franklin" in accordance with order of the Bureau of Navigation. Made preparations for getting under way.

Ralph Earle,
Ensign, U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Light to moderate N.W. & W.by.N. and S.W.by.W. breezes. Barometer falling. At 12:15 got underway and stood up to the Navy Yard. Fired a salute of 13 guns to Rear Admiral C. C. Colton which was returned with 7 by the "Franklin". Exchanged numbers with "Franklin" at 1:15. Completed mooring to dock under shears at 2:00. Let fires under boilers "A" and "C" die out and began distilling with "B" at 2:30.

Ralph Earle,
Ensign, U. S. N.

4 to 8 P.M.

Fair and cool. Light S.W.by.W. airs and breezes. Barometer stopped falling and commenced to rise. Distilling.

Ralph Earle,
Ensign, U. S. N.

8 P.M. to Midnight.

Clear, cold, and calm. Barometer rose slightly. Moon set at 9:30. Distilling.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U. S. N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1				Moored to Dock.	Calm.	0.			30.12.	50.	38.	37.		b.	none	none	0.	
2				"	"	0.			30.12.	50.	38.	37.		"	"	"	0.	
3				"	"	0.			30.13.	50.	38.	37.		"	"	"	0.	
4				"	"	0.			30.14.	50.	38.	33.		"	"	"	0.	
5				"	"	0.			30.10.	47.	34.	33.		"	"	"	0.	
6				"	S SW.	1.			30.08.	47.	34.	33.		"	"	"	0.	
7				"	"	1.			30.08.	47.	34.	33.		b.c.	b.	"	1.	
8				"	"	1.			30.08.	48.	36.	35.		"	b.c.	"	4.	
9				"	"	1.			30.17.	43.	41.	39.		b.c.-n.	"	"	7.	
10				"	"	2.			30.17.	45.	43.	41.		"	"	"	5.	
11				"	"	2.			30.18.	45.	48.	45.		"	"	"	6.	
Noon.				"	SSW.	2.			30.18.	46	49.	46.		"	"	"	4.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″ — Mag Temp. For 24 hr. 74-73. 70-69

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2950 "

Coal consumed during the preceding 24 hours, 2 tons, 1320 lbs.

Coal remaining on hand at noon, 32 " 1315 "

P. M.														
1				Moored to Dock	S S W.	2.		30.16	53.	45.	43.	b.c.	b.c.	n.	4.	
2					N N E	3.		30.16.	55.	48.	45.	"	"	"	6.	
3					"	3.		30.17.	60.	47.	45.	"	"	"	8.	
4					North.	3.		30.19.	60.	47.	45.	"	b.c.	"	8.	
5					Calm.	0.		30.31.	59.	45.	44.	b.c.-n.	b.	none	1.	
6					"	0.		30.23	59.	44.	43.	"	"	"	1.	
7					N N W.	1.		30.26.	62.	42.	42.	b.-n.	none.	"	0.	
8					"	1.		30.29.	64.	42.	41.	"	"	"	0.	
9					"	1.		30.29.	64.	40.	41.	"	"	"	0.	
10					"	1.		30.30.	60.	40.	40.	"	"	"	0.	
11					"	1.		30.30.	58.	40.	40.	"	"	"	0.	
Mid.					"	1.		30.30	58.	40.	40.	"	"	"	0.	

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday December 26th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear, cold and calm. Barometer stopped rising and began to fall. Distilling.

Raphe Earle,
Emergn. U.S.N.

4 to 8 A.M.

Clear and cold. Calm and light S.W'ly airs. Barometer steady. Made preparations for coaling ship. Distilling. Received in Pay Department: 58 lbs. fresh bread and 72½ lbs each of meat and vegetables.

Raphe Earle,
Emergn. U.S.N.

8 A.M. to meridian.

Fair and pleasant. Light breeze from S.W. Mustered at 9:30. R.C. Bjork (1st) and L.L. Ellis (B.St.) absent over leave. Commenced coaling ship. Lieut Comdr. Bracey U.S.N. and Asst Naval Constructor Eggert U.S.N. came on board to survey articles in Equipment and Construction. Men came on board from Construction and Repair, to repair plumbing, and blocks. Unrigging foremast, sent down fore topgallantmast. J. Feely (Ck.F.M.) was tried by S.C.M. on charges preferred by Commanding Officer.

E.L. Beach
Lieutenant U.S.N.

Meridian to 4 P.M.

Overcast and cool. Gentle breeze from N.W. Continued coaling ship. Continued stripping foremast. Workmen in Construction on board. G.G. Gordon (App. 3d) discharged by purchase, and left the ship.

E.L. Beach
Lieutenant U.S.N.

4 to 8 P.M.

Fair and cool. Gentle breeze from North. Finished coaling. 110 2240/2240 tons received in all. Continued stripping foremast, sent down fore topmast. M. Goodbeen (1st) found sticking while coaling ship, confined in double irons by order of Commanding Officer.

E.L. Beach
Lieutenant U.S.N.

8 P.M. to midnight.

Fair and cool. Gentle breeze from North. Mustered and found following absent without permission. R.C. Bjork (1st), L.L. Ellis (B.St.), H.A. Cook (Cox), J.L. Bigham (Cox), H.W. Reid (Cox), P. Anderson (1st), J.J. Quinlan (3/C), and G.G. Armstead (1st). At 8:30 L.L. Ellis (B.St.) returned on board. And at 11:20 H.A. Cook (Cox), J.L. Bigham (Cox), H.W. Reid (Cox), P. Anderson (1st), and J.J. Quinlan (3/C) returned on board.

E.L. Beach
Lieutenant U.S.N.

Examined and found to be correct.

P.F. Leeper,
Lieutenant U.S.N.
Navigator.

4—26

LOG of the UNITED STATES Training Ship "Essex" 3rd Rat

Moved to Dock, Navy yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to Dock	North.	2.			30.32.	56.	38.	37.		b.c.m.	Ci.	None	1.	
2					"	2.			30.34.	55.	37.	36.		"	"	"	1.	
3					N.N.E.	3.			30.36.	54.	35.	33.		b.m.	None.	"	0.	
4					"	3.			30.37.	54.	34.	32.		"	"	"	0.	
5					"	2.			30.37.	52.	33.	33.		"	"	"	0.	
6					"	2.			30.38.	50.	33.	32.		"	"	"	0.	
7					"	2.			30.38.	50.	33.	32.		b.c.	Cu.	"	3	
8					"	2.			30.38.	60.	35.	34.		"	"	"	3.	
9					N.E.	1.			30.39.	48.	37.	36.		b.c.m.	Ci.	"	1.	
10					"	1.			30.43.	58.	43.	40.		"	"	"	2.	
11					Calm.	0.			30.43.	57.	42.	40.		"	"	"	2.	
Noon.					"	0.			30.43.	57.	42.	40.		"	"	"	2.	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp. For Eff.
Longitude by ° ′ ″ Empty

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250. gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1180 lbs.

Coal remaining on hand at noon, 142 " 303 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1				Moored to Dock	N.N.E.	1.			30.39.	57.	49.	46.		b.c.m.	Ci.	None	4.	
2					"	1.			30.38.	57.	49.	46.		"	"	"	4.	
3					"	1.			30.39.	54.	47.	46.		"	Ci.Cu.	"	4.	
4					"	1.			30.39.	54.	47.	46.		"	"	"	4.	
5					"	1.			30.38.	54.	45.	45.		"	"	"	4.	
6					"	1.			30.38.	54.	44.	43.		b.m.	None.	"	0.	
7					"	1.			30.38.	51.	40.	42.		b.c.m.	"	"	0.	
8					"	1.			30.38.	50.	38.	38.		b.c.m.	"	"	3.	
9					"	1.			30.38.	50.	37.	37.		"	Ci.Cu.	"	3.	
10					"	1.			30.38.	50.	37.	36.		"	"	"	3.	
11					"	1.			30.38.	50.	37.	36.		"	"	"	2.	
Mid.					"	1.			30.38.	50.	37.	36.		"	"	"	2.	

4—25

under the command of Commander R G Davenport. , U. S. Navy,

Thursday December 27th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cold. Light breze from North. At 8:15 C. G. Armstead (1st asst) came on board.

E B Brock
Lieutenant U.S.N.

4 to 8 A.M.

Clear and cold. Light breze from N.W. by N. Field day of cleaning on gun deck. Liberty party returned except P. Hines (Ldsm), and L. Manion (3/C). By order of Commanding Officer released J. Fealy (C.C.M.), from double irons and placed him in cell. Steam on boiler "B" for heating ship.

E B Brock
Lieutenant U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light N.E. airs to calm. Continued work stripping foremast. Sent down main topgallantmast. Sent up ammunition from magazines to allow work on drains and flood cocks to be done. Ammunition taken by Yard Powder lighter to magazine. The following Yard workmen making repairs, 6 Machinists 3 helpers. 3 Boilermakers and 2 Apprentices, in Steam Engineer Department. 4 machinists, 1 helper and 1 Plumber and 1 helper in C & R Department. Absentees P.C. Byrk (Ldsm), P. Hines (Ldsm), manion (3/C), M. A. Anderson (Mus), mahoney (C.C.M.) and H. Adams (O.S. 3/C) returned from 3 days leave. R. W. Byrk, Ldsm, was this day declared a deserter.

W. H. Brown
Lieutenant U.S.N.

Meridian to 4 P.M.

Clear and fine. Light airs from N.W. by N. Barometer steady. U.S.S. Wampatuck left moorings at 2:15 P. Hines (Ldsm) returned from liberty 7 hours overtime. F. J. Finnigstead (O.S. 3/C) left the ship on five days leave of absence. F. Hannis (O.S. 3/C) discharged from Naval Service by purchase. Received in Cond R. following stores as per appended list. The following workmen from Yard at work in Steam Eng Department. 6 machinists 3 helpers, 3 Boilermakers 2 Apprentices; 2 in C and R. 4 machinists 2 helpers, 1 Plumber, 1 Leading man 3 helpers, and 1 Shipwright and 2 helpers. Landed five tops on wharf.

W. H. Brown
Lieutenant U.S.N.

4 to 8 P.M.

Clear and cool. Light airs from N.W. by N. Barometer steady.

W. H. Brown
Lieutenant U.S.N.

8 P.M. to Midnight

Clear and cool. Light airs from N.W. by N. Barometer steady.

W. H. Brown
Lieutenant U.S.N.

Examined and found to be correct.

E. F. Lester
Lieutenant U.S.N.
Navigator.

4—355

Stores received in Ord Dept from General Storekeeper, NavyYard, Norfolk, Va. Meridian to 4.P.M. Dec, 27.

500. 6pdr cork wads.
500. Saluting primers.
4. Cleaning bristles.
1. Great gun target.
2. Spare mast for target.
1. Set toggles and pins.
1. Sectional cross handle.
1. Handrattle.
8. Lanyards 4" tompion.
4. Extractor nibs 6pdr
1. Hammer "
1. Ejector head (38).
1. Hammer with pin (38).
2. " strut (38).
5 " " springs (38).
2. Triggers (38).
6. Hands with springs.
25 " springs.
10 Cylinder stopbolt springs (38).
5 Main springs (38).
10 Rebound springs. (38).
10 Frame cap screws (38).
5 Bolt stops 6 ⅞.
2 " releases 6 ⅞.
10 Extractors. 6 ⅞.
50 " springs 6 ⅞.
2 Firing pin cocks 6 ⅞.
2 Front sight covers 6 ⅞.
5 Rear sight slide stop screws 6 ⅞.
10 Sear flys 6 ⅞.
15 Trigger springs 6 ⅞.
5 " " screws 6 ⅞.
5 Firing pin Colt Auto
1 Colt hammer
1 Main spring 6pdr
10 Firingpin points
75 ft Lumber 12"12"1"
25 yds White muslin
2 lbs #20 copper wire
200 lbs cleaning paste
20 gal glycerine
20 lbs tallow
1. 4" Tompion.

Stores received in C & R Dept, from General Storekeeper NavyYard, Norfolk, Va. Meridian to 4.P.M. Dec, 27.

60 Paint brushes round assorted.
12 " " flat wall.
12 " " sash tool.
96 lbs Bar iron round assorted.
15 " " " flat 1 ¼"
10 " Tinners solder.
6 Sheets tin 20-28".
20 lbs Oakum.
5 " Roving cotton.
25 Deck buckets.
3 Chest locks brass 4".
10 lbs Iron cut nails 6d
5 " Steel wire " "
3 " Copper tacks ⅞.
2 " " " ¾.
10 Gal Japan Dryers.
2 lbs Lamp black dry.
85 " " " in oil.
50 " Linseed oil boild.
5 " Plumbago.
25 " Putty.
2 Gal Copal varnish.
6 " Spar " .
3 Books gold leaf.

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1				moored to Dock.	N N E.	2.			30.34.	50.	37.	36.		b. c. m.	b. c.	Mod	3.	
2					"	2.			30.32.	50.	37.	36.		"	"	"	2.	
3					"	2.			30.27.	50.	40.	38.		"	"	"	3.	
4					"	2.			30.25.	50.	40.	38.		"	"	"	4.	
5					S by E.	1.			30.23.	51.	41.	38.		"	"	"	3.	
6					"	1.			30.20.	51.	41.	38.		"	c.	"	6.	
7					"	1.			30.19.	51.	43.	42.		o. c.	S. c.	"	10.	
8					"	1.			30.19.	51.	43.	43.		"	"	"	10.	
9					"	2.			30.16.	54.	45.	44.		o. c. r.	N.	"	10.	
10					"	2.			30.14.	55.	45.	44.		"	"	"	10.	
11					"	2.			30.15.	56.	46.	45.		"	"	"	10.	
Noon.					"	2.			30.11.	58.	46.	45.		"	"	"	10.	

Position at 8 A. M.	Latitude by	° ′ ″	Mag Temp.
	Longitude by	° ′ ″	For Aft.
Position at noon:	Latitude by observation	° ′ ″	Empty
	Longitude by observation	° ′ ″	
	Latitude by D. R.	° ′ ″	
	Longitude by D. R.	° ′ ″	

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.	Latitude by	° ′ ″	
	Longitude by	° ′ ″	

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2450 "

Coal consumed during the preceding 24 hours, tons, 1950 lbs.

Coal remaining on hand at noon, 141. " 1143 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, 0 to 10.	State of the Sea.
P. M.																		
1				moored to Dock.	S W.	3.			30.09.	52.	48.	48.		o. c. r.	b. c.	S.	10.	
2					"	3.			30.06.	51.	48.	48.		o. c. m.	"	"	10.	
3					W by W.	3.			30.05.	52.	48.	48.		"	b. c.	Mod	10.	
4					"	3.			30.03.	52.	48.	48.		"	"	"	10.	
5					S W.	2.			30.02.	54.	50.	50.		"	S. c.	"	10.	
6					"	1.			30.02.	54.	50.	49.		"	"	"	10.	
7					"	1.			30.06.	55.	50.	49.		o. c. m. d.	"	"	10.	
8					"	1.			30.08.	55.	49.	48.		"	"	"	10.	
9					W N W.	2.			30.10.	56.	48.	48.		o. c. p.	b. c.	Mod	10.	
10					N N E.	3-4.			30.12.	56.	47.	48.		o. c. p.	"	"	10.	
11					"	4-5.			30.14.	56.	45.	45.		"	S.	"	10.	
Mid.					"	4-5.			30.16.	65.	43.	42.		"	"	"	10.	

4—2-5

under the command of Commander R. G. Davenport. , U. S. Navy,

Friday December 28th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Fine and pleasant. Barometer falling. Light breeze from W N W.

Lieutenant U. S. N.

4 to 8 A.M.

Hazy to overcast. Barometer falling. Light airs from S by E. Received in Pay Stores 58 lbs Bread, 72½ Meat and 72½ vegetables. U. S. S. "Frolic" left yard at 7:30.

Lieutenant U. S. N.

8 A.M. to Meridian.

Overcast, raining, and raw. Light S by E. Barometer falling. At 8:00 mustered the crew, absentees:- L. Marion, (C.C.), R. D. Byars, (Sdsr), and A. J. Kimmel, (Cox). Yard workmen aboard all watch as follow:- in Steam Eng. 5 machinists, 4 helpers, 3 boilermakers, 2 helpers and one boy, on main engine and boilers; in Con. 2 shipwrights on head, 2 on tiller and rapes, 2 in magazine, 4 plumbers on water closets and magazine. Breaking out fore hold for cleaning. Powder lighter alongside at ten and transferring ammunition to her. Yard workmen replaced the steam launch's davits, straightened. The Commanding Officer arraigned following punishments:- J. H. Gill, and W. J. Hogan, (Sdsr)., returning from liberty tight, 2d Class; J. A. Routh (Sea), 45 minutes over leave, continued on 4th class 1 month; J. Lawton (C.C.) 2 hours over leave, 3d Class; C. A. Jeune (Sdsr), 45 minutes over leave, 3d class; J. Ahlsen (Oiler) shirking his work while coaling ship, 5 days solitary confinement on bread and water, and he was so confined; for being absent from muster, W. H. Cook (Cox) was reduced to 2d class, H. W. Reed (Cox) to 4th, J. L. Bigler (Cox) to 4th, P. Anderson (Sdsr) 3d, and J. J. Sinclair (3d C) continued on 4th class 4 months; C. Armistead (Mach) for leaving ship without permission, continued on 4th class 2 months; M. Jacobsen (Oiler) shirking work while coaling ship, 5 days double irons and he was so confined. L. L. Ellis (Sdsr) absent from ship 85 hours without permission, 4th class 1 month; P. Hines (Sdsr) 7 hours over leave, reduced to 4th class 2 months. The General Inspector of the Pay Corps inspected the paymaster of this vessel. Cleaned and disinfected bilges.

Ralph Earle,
Ensign U. S. N.

Meridian to 4 P.M.

Overcast and raw. Gentle S W to W S W by breezes. Barometer falling. Yard [illegible] in previous watch aboard from 8:00; and in addition 2 shipwrights fitting steam launch cradles. J. B. Ward (yeo 3c) returned from leave. Transferred H. J. Kane (A 3c) to Naval Hospital Norfolk. Ensign R. M. Anderson was this day detached from this and given one months sick leave. Completed breaking out magazines at 2:15 and powder boy left ship. Ammunition transferred to naval magazine at St Juliens Creek and St Helena was 4 Pdr rounds 4", 1007 rounds 6 pdr, 548 1 pdr, 15000 Colt, 44000 6 m/m, 6000 revolver, 3000 Hotchkiss 6 m/m, 22000 22 Cal, 27000 .45 Cal, 720 lbs saluting powder, and 66 saluting charges. J. Spears (ch mate), was placed in double irons to await action by order of the Commanding Officer for being drunk while on board ship and on duty. R. Gobbins and G. A. Garrett (A 3c), were discharged from the service by reason of purchase and by authority of Bureau of Navigation. Received in Ordnance Dept. from General Storekeeper supplies as follows:- (as list) Cleaned out and whitewashed fore hold. Fitting new ridge rope forward

Ralph Earle,
Ensign U. S. N.

4 to 8 P.M.

Overcast with light rain. Light S W by W airs and breezes. Barometer began to rise. Yard workmen left at 5:00.

Ralph Earle,
Ensign U. S. N.

8 P.M. to midnight.

Overcast and squally with rain first hours. Light W N W airs first hours, gentle to stiff N N E by E breezes remainder. Barometer rising.

Ralph Earle,
Ensign U. S. N.

Examined and found to be correct.

F. F. Looper
Lieutenant U. S. N.
Navigator.

4—355

Received in ordnance dept. from general storekeeper.
Navy Yard, Norfolk VA.
Meridian to 4 PM . DEC 28 1900,

1---- Spare part box for 6MM rifle.
2---- Barrel covers.
1---- cam lever.
1 ----Upper band.
1----REAR sight.
2----Rear sight screws.
2----Front sight tips.
2---- "" " " pins.
5----Firing pins.
3---- " " collars.
2---- " " locks.
2---- " " " springs.
2---- Trigger springs.
2---- " pins.
1---- "
2---- Trigger spring screws.
2---- " Guard.
2---- Lock pins.
2---- Sling strap snap swivels.
2---- " " buttons.
2---- Butt plate slide springs.
2---- " " " " screws.
1---- Bolt.
2---- " stops.
2---- " releasers.

5---Main springs.
2 --Sears.
10-- " springs.
2--- " flys.
2 -- " pins.
3---Followers.
3--- " hinge rivits.
3---Elevator arms.
10--- " springs.
2--Sling strap securing hooks
2---Receiver tang screw.
2--- UPPER band screw.
2---LOWER " " .
2---Lower band with sling swivel.
5---Extractors.
10- - " springs.
15---LEE rifles, straight pull.
15---LEE rifle slings.
15--lee rifle cleaing bristles.

15--- Bayonets.
15--- " scabbards.

15 Cartridge belts
32 Haversacks straps
30 Shoulder straps
32 Canteen straps
2 Racks transportable
6 Air hole screws
32 Haversacks
30 Blanket bags
32 Canteens
30 Ponchus rubber
15 Front sight covers with screws
6 Vent hole screws
6 Filling screws

LOG of the UNITED STATES Training Ship "Essex" 3 1/2 Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direct.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to Dock.	N N E.	4-5.			30.17.	62.	42.	40.		b.c.q.	S Cu.			
2				"	"	4-5.			30.19.	59.	43.	40.		"	"			
3				"	"	4-5.			30.19.	58.	42.	40.		"	"			
4				"	"	4-5.			30.23.	58.	42.	40.		b.q.	None			
5				"	"	4-5.			30.20.	56.	38.	36.		"	"			
6				"	"	3-4.			30.18.	54.	36.	35.		b.c.	Ci.			
7				"	"	3-4.			30.18.	50.	36.	35.		"	S Cu.			
8				"	"	3.			30.22.	50.	35.	34.		"	"			
9				"	"	3.			30.24.	50.	35.	34.		b.c.m.	Ci. Cu.			
10				"	"	3.			30.26.	54.	36.	34.		"	Ci.			
11				"	"	3.			30.25.	51.	36.	34.		"	"			
Noon.				"	"	3.			30.25.	51.	39.	36.		"	"			

Position at 8 A. M. { Latitude by ° ′ ″ Mag Trans. / Longitude by ° ′ ″ For Aft.

Position at noon: { Latitude by observation ° ′ ″ Engineer. / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 1310 lbs.

Coal remaining on hand at noon, 140 " 2073 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direct.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.				Moored to Dock.														
1					N N E.	3.			30.25.	51.	39.	36.		b.c.m.	A.Cu. Ni.		7.	
2					"	1.			30.24.	51.	39.	37.		"	"	"	8.	
3					"	1.			30.23.	50.	41.	38.		"	"	"	6.	
4					"	1.			30.22.	50.	40.	38.		"	"	"	7.	
5					Calm.	0.			30.23.	52.	38.	37.		"	Ci.	None	4.	
6					"	0.			30.24.	54.	36.	36.		"	"	"	4.	
7					"	0.			30.24.	54.	37.	34.		"	"	"	1.	
8					"	0.			30.26.	54.	33.	32.		"	"	"	1.	
9					S S E.	1.			30.27.	52.	32.	31.		"	"	"	8.	
10					"	1.			30.28.	51.	32.	31.		"	"	"	2.	
11					"	1.			30.27.	51.	32.	31.		b.c.	"	"	1.	
Mid.					"	1.			30.26.	54.	31.	30.		"	"	"	1.	

under the command of Commander R. G. Davenport , U. S. Navy,

Saturday December 29th ,1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Generally cloudy and squally. Moderate to stiff N.N.E'ly breezes Barometer rising.

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Fair and cold. Moderate to gentle N.N.E'ly breezes. Barometer stopped rising and began to fall. Transferred by order of Bureau of Navigation J. Spiers (Sch'm), with bag and hammock and transfer papers to U.S.S. "Piscataqua". Received on Pay Department 74 lbs fresh bread.

Ralph Earle,
Ensign U.S.N.

8 A.M. to Meridian.
Fair and cold. Gentle breeze from N.N.E. At 8.15 mustered. R.O. Bjorke (Sea) and L. Manion (Sea) absent without leave. Restoring hold. Shifted moorings to about 150 feet ahead. Received from Ensign Storekeeper, Navy Yard, Norfolk, Va. ordnance, and in C and R as per appended lists. The U.S.S. "Piscataqua" steamed away from Navy Yard. A.J. Kimmel (Sea) returned from leave. A reward of $10.00 was offered to police authorities of Norfolk and Portsmouth for the delivery on board of L. Manion (Sea). Navy Yard workmen from C and R. and Steam Engineering on board.

E L Beach
Lieutenant U.S.N.

Meridian to 4 P.M.
Fair and cold. Gentle breeze to light airs from N.N.E. Delivered to Pay Clerk Creighton his orders revoking his appointment and detaching him from ship. Received stores aboard in Equipment (Nav) as per appended list. Navy Yard workmen on board in S. E. and C and R.

E L Beach
Lieutenant U.S.N.

4 to 8 P.M.
Clear and cold. Calm. The following apprentices 3d class were discharged by order of Bureau of Navigation being physically disqualified for the Naval Service. C. Smith, O.E. Carter, E. Williams, Jr. Lt. Snider, C. W. Hamblen, C.O. Barrutheo, and A.L. Livingston.

E L Beach
Lieutenant U.S.N.

8 P.M. to midnight.
Clear and cold. Light airs from S.S.E.

E L Beach.
Lieutenant U.S.N.

Examined and found to be correct.

F. F. Leeper,
Lieutenant U.S.N.
Navigator.

4—955

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Received in Ordnance Dept the following stores from General Storekeeper.Navy Yard,Norfolk.Va. 8.A.M.to Meridian.

3 Files half round Bast'd
2 " 2nd cut 8"
2 " square 6""
15 Flat paint brushes
30yds Cotton duck canvas
2lbs Lamp wicking
100 " White lead
5gal Turpentine
1 lbs Borax
25 " Potash
2 doz Pencils #20
1gross Pens #32
200 Sheets Emery cloth
6 Screw drivers
2 Files smooth 6" flat
2 " rattail 6"
3 " smooth flat 12"
36yds Cotton canvas
2lbs Cotton twine
2 " Solder
50" White zinc
2gal Spar varnish
1lbs Camphor
50 " Petrolatum
1/2doz Pads Memo #20
6 Penholders #8
6 Hack saw blades
50 lbs Cotton waste

Received in C&R,Dept the following stores from General Storekeeper Navy Yard,Norfolk.Va. 8.A.M.to Meridian.

3 Rules boxwood
250 Sheets sand paper
6 Files flat Bast'd 10"
6 " half round 10"
10 " taper saw 5"
2 lbs Ultramarine blue in oil
500 " White lead " "
1 " Burnt seinna " "
1 " " umber " "
100 " Yellow ochre " "
600 " White zinc " "
22lb " Orange shellac
2 " Chrome green inoil
2 pr Wing dividers
2 Compass saws
6 Files flat Bast'd 12"
2 " round " 10"
12 " flat smooth 8"
6 " taper saw 3"
4 lbs Chrome yellow in oil
50 " Venetian red " "
2 " Raw seinna " "
1 " " umber " "
25 " Yellow ochre dry
50 gal Linseed oil boiled
30 " Turpentine
3 Bibbcocks (complete) asst'd
6 Wood rasps

LOG of the UNITED STATES Training Ship "Essex" 3d Rate,

Moored to Dock, Navy Yard, Norfolk Va.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1				Moored to Dock.	Calm.	0.			30.25	52.	29	28.		b.c.m.	Ci.	mov.	1.	
2					"	0.			30.24	51.	28.	27.		"	"	"	1.	
3					N E.	1.			30.23	50.	28.	27.		b.m.	none.	"	0.	
4					E N E.	1.			30.23	49.	28.	27.		"	"	"	0.	
5					"	1.			30.22	48.	30.	30.		"	"	"	0.	
6					"	1.			30.19	48.	30.	30.		b.c.m.	Cu.	"	2.	
7					"	1.			30.16	49.	30.	30.		"	S Cu.	"	7.	
8					N N E.	1.			30.15	49.	32.	31.		"	"	"	7.	
9					"	1.			30.14	51.	33.	32.		c.c.m.	A Cu.	"	10.	
10					"	1.			30.14	51.	35.	33.		"	"	"	10.	
11					North.	2			30.13.	50.	37.	36.		o.c.d.	Cu N.	"	10.	
Noon.					"	2.			30.10.	50.	47.	42		"	"	"	10.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag Temp. For Eff. Empty.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 1300 lbs.

Coal remaining on hand at noon, 148 " 773 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, numerals.	State of the Sea.
P. M.																		
1				Moored to Dock.	North.	2.			29.98	50.	46.	46.		c.c.m.	Cu N.	mov.	10.	
2					"	1.			29.99	50.	46.	46.		"	"	"	10.	
3					N N E.	1.			29.94	53.	46.	46.		"	"	"	10.	
4					Calm.	0.			29.91	53.	46.	46.		"	"	"	10.	
5					"	0.			29.90	55.	50.	50.		"	"	"	10.	
6					S S E.	1 4			29.90	53.	50.	50.		"	"	"	10.	
7					"	3.			29.86.	60.	55.	55.		"	"	"	10.	
8					"	2.			29.82.	65.	55.	55.		"	"	"	1.	
9					"	3.			29.81.	65.	55.	55.		"	"	"	10.	
10					"	3.			29.80.	65.	56.	55.		"	"	"	10.	
11					"	2.			29.80.	65.	55.	55.		"	"	"	10.	
Mid.					"	2.			29.80.	65.	56.	55.		"	"	"	10.	

under the command of Commander R. C. Davenport, U. S. Navy,

Sunday December 31st, 1905.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and cold. Calm, and light North Easterly airs

E. W. Read
Lieutenant, U. S. N.

4 to 8 P.M.

Clear and cold. Light North Easterly airs

E. W. Read
Lieutenant, U. S. N.

8 P.M. to Meridian.

Overcast to raining. Light airs from W.N.W. to light breze from North. Lieutenant C. F. Leeper, U. S. N. returned from ten days leave of absence. Barometer falling. At 9:30 mustered all hands. Absentees, Lt. Manning (on S.) R. O. Bjork (Idle).

W. H. Baker
Lieutenant, U. S. N.

Meridian to 4 P.M.

Overcast and stormy. Light Northerly airs to Calm. Lieut Com. E. E. Wright U. S. N. left the ship on two weeks leave of absence beginning December 31st. Barometer falling. F. E. Porter (Ch. Mch. U.S.) left ship on seven days leave of absence.

W. H. Baker
Lieutenant, U. S. N.

4 to 8 P.M.

Raining and overcast. Calm to gentle breze from S. & E. Barometer falling.

W. H. Baker
Lieutenant, U. S. N.

8 P.M. to midnight.

Overcast and stormy. Gentle to light S. S. E'ly breze. Barometer falling.

W. H. Baker
Lieutenant, U. S. N.

Examined and found to be correct.

C. F. Leeper
Lieutenant, U. S. N.
Navigator.

4—206

LOG of the UNITED STATES Training Ship "Essex" **3rd Rate,**

moved to Dock. Navy Yard. Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.				Moored to Dock.														
1					S S E	1.			29.78	66.	55.	55.		c. c-m.	Cu-Str	More	10.	
2					Calm.	0.			29.76	67.	55.	55.		b. c-m.	Cu-Str	"	6.	
3					E N E	1.			29.78	67.	55.	55.		b. c-f.	Cu-S.	"	2.	
4					"	2.			29.81	67.	55.	55.		o. c-m.	Nim	"	10.	
5					"	2.			29.84	67.	55.	55.		"	"	"	10.	
6					"	1.			29.86	67.	55.	55.		o. c.	"	"	10.	
7					"	1.			29.88	67.	53.	53.		o. c-f.	"	"	10.	
8					South.	1.			29.90	67.	49.	49.		"	"	"	10.	
9					"	1.			29.92	65.	45.	45.		"	"	"	10.	
10					S W	2.			29.96	65.	45.	45.		o. c-m.	"	"	10.	
11					"	3.			29.96	67.	48.	47.		"	"	"	10.	
Noon.					"	3.			29.96	69.	49.	48.		b. c.	S	"	8.	

Position at 8 A. M.: Latitude by ° ′ ″ — Mag Temp For Dft Empty.
Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1040 lbs.

Coal remaining on hand at noon, 139 " 523 "

P. M.																		
1				Moored to Dock.	N E & N.	3.			29.95	54	51.	50.		b. c-m.	S-Cu	N.	6.	
2					"	2.			29.96	57	54.	52.		"	F-Cu.	"	7.	
3					S W.	2.			29.97	60.	54.	53.		"	"	"	6.	
4					"	3.			29.97.	61.	54.	52.		b. c.	"	"	6.	
5					"	2.			30.03.	61.	53.	51.		"	S-Cu.	More	8.	
6					"	2.			30.07.	61.	53.	51.		"	"	"	6.	
7					"	2.			30.10.	64.	53.	51.		"	"	"	6.	
8					"	2.			30.10.	64.	52.	51.		"	"	"	5.	
9					West.	1.			30.12.	64.	48.	47.		b. c-m.	More	"	0.	
10					"	1.			30.15.	64.	45.	44.		b. c-m.	Cu.	"	2.	
11					S W.	1.			30.18.	62.	47.	47.		"	Cu.	"	6.	
Mid.					"	1.			30.20.	61.	49.	49.		"	"	"	1.	

4-246

under the command of Commander R. G. Davenport, U. S. Navy,

Monday December 31st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast with light rain. Calm to light W'ly & N'ly breze. Barometer rising.

W. L. Parker
Lieutenant U.S.N.

4 to 8 A.M.

Light rain to fog. Barometer rising. Light breezes to light airs from W'ly & N'ly. Received in Pay stores provisions as follows. 548 lbs bread, 70 lbs meat. 70 lbs vegetables.

W. L. Parker
Lieutenant U.S.N.

8 A.M. to meridian.

Overcast, foggy, and rain. Light Southerly airs and light to gentle S'ly & W'ly breezes. Barometer rising slowly. At 8:15 mustered ships company, absentees: Sol. Bjorkfeldt, and L. Mannion, 1st Cl. Crew engaged in fitting rigging for fore topmast, and in getting stores aboard. Received, 1000 lbs Engineering as per list. Received in Pay Department, as per list. Received in Equipment (Nav) as per list. Working party getting paymaster's stores aboard. Yard workmen aboard all the watch as follows:- C and R 4 carpenters, 6 plumers, 7 machinists, and 1 painter, in Steam Engineering, 3 machinists, 3 helpers. 4 boilermakers with 4 helpers and 2 boys.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy & pleasant. Light to gentle N. & N.W'ly to S. & W'ly breezes. Barometer rose slightly. Engaged in putting paymaster's and engineer's stores on board and fitting rigging forward. Yard workmen as in forenoon watch aboard from 1:30 till 5:10.

Ralph Earle.
Ensign U.S.N.

4 to 8 P.M.

Fair and pleasant. Light S. & W'ly breezes. Barometer rising. Began distilling at 5:45 using boiler "A". C. J. Coates, (Ch. mach.), reported on board for duty from U.S.R.S. "Franklin".

Ralph Earle,
Ensign U.S.N.

8 P.M. to midnight

Clear and pleasant. Light W. & S'ly and S.W'ly airs. Barometer rising. Moon lights. Distilling

Ralph Earle,
Ensign U.S.N.

Approved:

Richard G. Davenport
Commander, U.S. Navy,
Commanding.

Examined and found to be correct.

S. F. Leahy
Lieutenant U.S.N.
Navigator.

4—216

Stores received in Equipt (Nav) Dept from General Storekeeper Navy Yard, Norfolk. Va. 8.A.M. to Meridian.

8 International Signal flags	6 Burners hand lantren
210 lbs Candles	75 lbs Manila rope 3 1/2"

Stores received in Eng Dept from General Storekeeper Navy Yard Norfolk. Va. 8.A.M. to Meridian.

6 Paint brushes round	12 Sash tools
12 White wash brushes	6 Steel wire brushes
12 Bath bricks	12 lbs Machine screws asst'd
10 lbs Lamp wick	25 " Lye
24 " Polishing paste	10 gal Turpentine
5 gal Japan dryers	10 " Boiled oil
100 lbs Sal-soda	550 " Lard oil
5 gal Damar varnish	10 " Asphaltum
50 lbs Yellow ochre	50 lbs American graphite
6 #52 Hand books	2 pts Ink
12 Bast'd files assorted	2 Stilson wrenches 12"-18".
200 lbs Cotton waste	100 lbs Soap
12 Eye bolts assorted	1 Sand glass
12 Hand lamps	24 Burners
160 lbs Hemp packing assorted	49 lbs Tucks packing assorted
25 " Pure gum	100 " Brown zinc

6 Crim brushes MB 1

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

moved to Dock Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored	S W.	1.			30.22	62.	48.	47.		b.c.m.	Cu.	mov.	1.	
2				"	"	1.			30.25	62.	48.	47.		"	"	"	1.	
3				"	"	1.			30.27	62.	48.	47.		"	"	"	1.	
4				"	"	1.			30.27	62.	48.	47.		"	"	"	1.	
5				"	"	1.			30.28	62.	46.	46.		c.c.f.w.	Cu.	"	10.	
6				to	N W Ca.	1.			30.28	62.	46.	46.		"	"	"	10.	
7				"	"	1.			30.29	62.	45.	45.		c.c.m.	S.Cu.	"	10.	
8				Dock	"	1.			30.33	62.	45.	45.		"	"	"	10.	
9				"	"	1.			30.39	62.	45.	45.		"	"	"	10.	
10				"	"	1.			30.40	63.	46.	46.		"	"	"	10.	
11				"	"	1.			30.42	63.	48.	48.		"	"	"	10.	
Noon.				"	"	1.			30.43	68.	48.	47.		"	"	"	10.	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For Aft

Position at noon: Latitude by observation ° ′ ″ Ca Empty
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, tons, 980 lbs.

Coal remaining on hand at noon, 138 " 743 "

P. M.																		
1				Moored	N W Ca.	2.			30.38	63.	48.	48.		o.c.m.	S.Cu.	none	10.	
2				"	"	2.			30.38	63.	48.	47.		"	"	"	10.	
3				"	"	2.			30.38	64.	48.	47.		"	"	"	10.	
4				"	"	2.			30.40	66.	48.	47.		"	"	"	10.	
5				"	"	2.			30.42	66.	46.	45.		"	"	"	10.	
6				"	North	2.			30.44	66.	45.	45.		b.c.m.	S.	"	7.	
7				"	"	2.			30.46	66.	44.	43.		"	"	"	7.	
8				"	"	2.			30.47	65.	44.	43.		o.c.m.	"	"	10.	
9				"	"	2.			30.47	65.	43.	42.		"	"	"	10.	
10				"	"	2.			30.47	66.	43.	42.		"	S.Cu.	"	10.	
11				"	"	2.			30.48	64.	43.	42.		b.c.	"	"	6.	
Mid.				"	"	2-3			30.48	64.	43.	42.		"	"	"	6.	

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday January 1st, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light S W'ly airs. Barometer rising. Distilling.

Ralph Earle,
Ensign U. S. N.

4 to 8 A.M.

Overcast and hazy. Light airs from S W and W N W. Barometer rose slightly. Engaged in stowing provisions. Recieved in Pay Department, 588 lbs fresh bread and 75 lbs each of fresh meat and vegetables. Distilling.

Ralph Earle,
Ensign U. S. N.

8 A.M. to meridian.

Overcast and cool. Light airs from N N E. Distilling
Commanding Officer returned from weeks leave.

E. L. Beach Lieutenant U. S. N.

Meridian to 4 P.M.

Overcast and cool. Gentle breezes from N N E. Distilling until 3:55 when stopped.

E. L. Beach Lieutenant U. S. N.

4 to 8 P.M.

Generally overcast and raw. Light N N E'ly to northerly breezes. Barometer high and rising. Wm. Ames, B M 2c, reported on board from U. S. R. S. Richmond.

Ralph Earle,
Ensign U. S. N.

8 P.M. to midnight.

Overcast to cloudy and cold. Light to gentle northerly breezes. Barometer high and rising slowly.

Ralph Earle,
Ensign U. S. N.

Examined and found to be correct.

E. F. Lau
Lieutenant U. S. N.
Navigator.

4—906

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

Moored to Dock. Navy Yard, Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
A. M.																		
1				Moored to Dock.	N N W.	2.			30.50.	63.	41.	41		b c.	Cu-S	W.	7	
2					"	3.			30.51.	62.	40.	40		"	"	"	7	
3					North.	3-4			30.52.	60.	40.	39.		"	Fr-Cu	"	7	
4					"	3-4.			30.54.	61.	40.	39.		"	"	"	6.	
5					"	3-4.			30.55.	61.	40.	39.		"	"	"	6.	
6					"	3.			30.55.	61.	40.	39.		"	"	"	4.	
7					"	3.			30.55.	61.	40.	39.		"	"	"	6.	
8					"	4.			30.57.	60.	40.	38.		l-c-m.	"	"	7	
9					"	4.			30.60	60.	40.	38.		"	Cu-S	none	8.	
10					N N E.	4.			30.61.	61.	40.	38		"	"	"	7.	
11					"	4.			30.61.	61.	40.	38.		o-c-m.	"	"	10.	
Noon.					"	3-4.			30.60.	60.	40.	38.		"	"	"	10.	

Position at 8 A. M.: Latitude by ° ' " Mag Temp.
Longitude by ° ' " For Ast.

Position at noon: Latitude by observation ° ' " E empty.
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 137 " 1663 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
P. M.																		
1				Moored to Dock.	N by E.	3.			30.58.	60.	40.	39.		o-c-m.	S-Cu	none	10.	
2					"	3.			30.55.	60.	40.	38.		"	"	"	10.	
3					"	3-4			30.55.	60.	39.	37.		"	"	"	10.	
4					"	3.			30.54.	60.	39.	37.		"	"	"	10.	
5					N N E	3-4.			30.54.	58.	38.	37.		"	"	"	10.	
6					"	3-4.			30.55.	58.	38.	36.		"	"	"	10.	
7					"	3-4			30.55.	58.	38.	36.		"	"	"	10.	
8					"	3.			30.55.	57.	37.	36.		"	"	"	10.	
9					"	3-4.			30.55.	57.	37.	36.		"	"	"	10.	
10					"	4.			30.60.	57.	37.	36.		"	"	"	10.	
11					"	3-4			30.60.	58.	37.	36.		"	"	"	10.	
Mid.					"	3.			30.60.	58.	37.	36.		"	"	"	10.	

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday January 2nd, 1901.

4 to 8 A.M.

to Northly breezes.

Ralph Earle,
Ensign U.S.N.

Articles received in Pay Department U.S.S. Essex from General Storekeeper, Navy Yard, Norfolk, Va. Jan 2. 1901.

100 Wisp Brooms		300 pieces Worsted Tape	
100 Scrub Brushes		12 Doz Dress Buttons small	
50 Shoe "		100 Mattress Covers	
1000 Oppo Marks.		20 P.O. Cap Devices	
12 Mess Caps.		100 papers Needles	
12 P.O. " Blues		288 Spools Sewing Silk	
12 " " White		300 pcs Linen Tape	
6 C.P.S. "		200 Spools Reed spl.	
300 Watch "		200 Towels	
200 Drawers Light		1056 lbs S.W. Soap	
100 Undershirts		400 " Tobacco	$ 357.33
50 Jerseys			
200 White Jumpers			
200 Duck "		2 Spring Balances	$ 5.33
300 Knife Lanyards			
200 Neckerchiefs		1 Set Stationary	$ 7.00
100 Undershirts			
200 Rolling Badges Blue			
40 " " White			
128 pr Calf Shoes High			
384 Cotton Socks			
200 Wool "			
100 Cloth Trousers			
50 White "			
300 Working "			
300 Undershirts Light			
70 Blankets			

W N E. Barometer steady.

(Sd), and L. Marion 5 miles S. * unt. At 11:00 U.S.T.B. ide U.S.S. Terror. D. Sheriff ng workmen from the Navy 2 machinists and 5 helpers ulkers and 3 helpers. Yard Norfolk Va. 50 lbs Fr. 1 Ebony wheel. 2 grs

R. R. Baker
Lieutenant U.S.N.

rometer falling. E. R. he following workmen E. Dept. 5 Boilermakers, 2 ers. 5 Plumbers. 6 Carpenters

R. R. Baker
Lieutenant U.S.N.

W N E. Barometer steady.

R. R. Baker
Lieutenant U.S.N.

W N E. Barometer rising.

R. R. Baker
Lieutenant U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant U.S.N.
Navigator.

4—268

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday January 2nd, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy and cold. Light to moderate N N W'ly to Northerly breezes.
Barometer high and rising.

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Fair and cold. Moderate Northerly breezes. G. H. Case, yeo 1c, left ship on seven days leave. Received in Pay Department: 48 lbs of fresh bread and 72 lbs each of meat and vegetables.

Ralph Earle,
Ensign U. S. N.

8 A.M. to Meridian.
Cool and overcast. Moderate breeze from North to N N E. Barometer steady. Mustered ships company at 8:15. Absentees R. O. Bjork (Blksm), and L. Manion (Sig 1c). * M. Jacobsen (Blksm) and Pilsen (Blksm) released from confinement. At 11:00 U.S.S.B. Ericsson came up to Navy Yard and tied up alongside U.S.S. Terror. D. Sheriff (Sig 3c) returned from 48 hours leave of absence. The following workmen from the Navy Yard at work aboard ship: In S.E. Dept. 5 Boilermakers, 2 machinists and 5 helpers. In C and R, 2 machinists, 5 Plumbers, 6 Carpenters, 1 Caulker and 3 helpers. Received in S. E. Dept. from General Storekeeper, Navy Yard Norfolk, Va. 50 lbs manhattan packing 5/8", 50 lbs manhattan packing 3/4". 1 E'mory wheel. 2 yds E'mory cloth. * Absentee 3rd Class Quar. (Sig 3c).

R. R. Belknap
Lieutenant U.S.N.

Meridian to 4 P.M.
Cool and pleasant. Gentle breeze from N by E. Barometer falling. C. R. Jones, yeo 3d, left ship on one weeks leave of absence. The following workmen from Navy Yard were at work aboard ship: In S.E. Dept. 5 Boilermakers, 2 machinists and 5 helpers. In C and R. 2 machinists, 5 Plumbers, 6 Carpenters 1 Caulker and 3 helpers.

R. R. Belknap
Lieutenant U.S.N.

4 to 8 P.M.
Cool and overcast. Gentle to moderate breeze from N N E. Barometer steady.

R. R. Belknap
Lieutenant U.S.N.

8 P.M. to midnight.
Cool and overcast. Gentle to moderate breeze from N N E. Barometer rising.

R. R. Belknap
Lieutenant U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant U.S.N.
Navigator.

4—955

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

Moored to Dock. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1				Moored to Dock.	NW Ea.	3.			30.61.	59.	37.	37.		o-c.	Cu-Nimbus		10.	
2					"	2-3.			30.62.	60.	37.	37.		"	"	"	10.	
3					"	2-3.			30.63.	61.	37.	36.		b-c.	Cu.	"	9.	
4					"	2.			30.64.	62.	36.	35.		"	"	"	9.	
5					"	4.			30.64.	62.	34.	33.		"	"	Ci.	7.	
6					"	4-5.			30.64.	63.	33.	30.		"	"	"	8.	
7					NE.	4-5.			30.65.	63.	33.	30.		"	"	"	8.	
8					"	4.			30.65.	63.	33.	30.		"	"	"	9.	
9					"	4-5.			30.68.	60.	31.	30.		"	"	"	6.	
10					"	5.			30.73.	58.	32.	30.		"	"	"	5.	
11					"	5.			30.74.	58.	31.	30.		"	"	"	4.	
Noon.					"	5.			30.74.	58.	31.	30.		"	"	"	4.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Transp: Fish Aft
Longitude by ° ′ ″ Empty.

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 137 " 443 "

P. M.																		
1				Moored to Dock.	NW Ea	4.			30.74.	59.	32.	30.		b-c.	S-Cu-Nimbus		7.	
2					"	4.			30.75.	59.	32.	29.		o-c-m.	"	"	10.	
3					NE.	4.			30.75.	60.	32.	29.		"	"	"	10.	
4					"	5.			30.75.	60.	32.	29.		b-c-m.	"	"	7.	
5					"	5.			30.74.	60.	32.	31.		"	"	"	8.	
6					"	4-5.			30.73.	58.	32.	30.		"	"	"	8.	
7					"	3.			30.72.	58.	32.	30.		"	"	"	8.	
8					"	3.			30.72.	58.	31.	30.		"	"	"	8.	
9					"	3-4			30.73.	58.	30.	29.		b-c.	"	"	8.	
10					"	4-5.			30.73.	58.	32.	29.		o-c-m.	"	"	10.	
11					NE.	4-5.			30.71.	58.	33.	31.		"	S.	"	10.	
Mid.					North	4-5.			30.68.	58.	33.	32.		"	"	"	10.	

4-26

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday January 3 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cool and pleasant. Light to gentle breeze from N.N.E. Barometer rising.

W. Bass
Lieutenant U.S.N.

4 to 8 A.M.
Clearing and cold. Moderate to stiff breeze from N.N.E. to N.E. Barometer rising slowly. Received in Pay Stores 4 lbs fish bread, 72 lbs pickled meat and 72 lbs fresh vegetables.

W. Bass
Lieutenant U.S.N.

8 A.M. to Meridian.
Fair and cold. Moderate to stiff N.E'ly breeze. Barometer high and rising. At 8:15 mustered the crew; absentees:- R.W. Byrk, Sdsm, L. Manion, C.P., W. Anear, B.M. 2C, Issued coal to dry at 9:00. Yard workmen on board all the watch as follows:- in Steam Eng., 11 boilermakers, 5 helpers, 2 boys, 2 machinists, and 2 helpers; in Boats and Repair, 2 plumbers, 2 helpers, 3 joiners, 4 machinists, 1 helper, 4 Plumbers and 1 helper. W. L. Laird, B.M. 2C, returned from leave. Chaplain T. A. Gill returned from leave. Fitting and rigging

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy to overcast and cold. Moderate to stiff N.N.E'ly to N.E'ly breezes. Barometer high and steady. Yard workmen as before on board from 1:00. Furled and unbent sail at 3:00. Work on previous watch going on. Transferred to Naval Hospital, Norfolk, with bags and hammocks, transfer papers being sent to the U.S.R.S. "Franklin": Q.G. Bells, Cox., and E. Lefaure, Sea. Received from U.S.R.S. Franklin with transfer papers, T. H. Robinson, M.M.1. Work on galley funnel, steam launches davits and cradles, and after force pumps was finished.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Cloudy and cold. Stiff to moderate N.E'ly breezes. Barometer fell slightly. Yard workmen left ship at 5:00- F. D. Bailey, Sdsm, went on three days leave.

Ralph Earle,
Ensign U.S.N.

8 P.M. to Midnight.
Generally overcast, hazy, and cold. Moderate to stiff N.E'ly to North'ly breezes. Barometer falling.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Lucas,
Lieutenant U.S.N.
Navigator.

4—216

LOG of the UNITED STATES Training Ship "Essex" **3rd Rate,**

Moved to Dock. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb	Air Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each form.	State of the Sea.
A. M.																		
1				Moored to Dock	North.	3.			30.68.	58.	33.	32.		c-c-m.	Ci.	Strat.	10.	
2					"	3.			30.65.	58.	33.	32.		"	"	"	10.	
3					"	3.			30.65.	58.	33.	32.		"	"	"	10.	
4					"	3.			30.64.	58.	33.	32.		"	"	"	10.	
5					"	3.			30.63.	61.	34.	34.		"	"	"	10.	
6					"	3.			30.63.	62.	34.	34.		"	"	"	10.	
7					"	1-2.			30.62.	63.	34.	33.		b-c-m.	"	"	8.	
8					"	1.			30.61.	63.	34.	33.		"	"	"	8.	
9					"	1.			30.60.	58.	37.	36.		"	"	"	6.	
10					"	1.			30.60.	58.	39.	38.		"	Ci. St. Cu.	"	6.	
11					"	1.			30.60.	61.	39.	37.		"	"	"	5.	
Noon.					N N E.	3.			30.60.	61.	42.	40.		"	"	"	4.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag. Temp. For Aft. Empty.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 136 " 1393 ".

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb	Air Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each form.	State of the Sea.
P. M.				Moored to Dock														
1					N N E.	1.			30.49.	62.	48.	46.		b-c.	Ci.	Nimb.	1.	
2					"	1.			30.47.	62.	47.	45.		"	"	"	1.	
3					"	1.			30.44.	64.	48.	46.		"	"	"	1.	
4					"	1.			30.43.	64.	48.	46.		"	"	"	1.	
5					Calm.	0.			30.46.	65.	43.	43.		b-c-m.	Ci.	"	2.	
6					"	0.			30.47.	64.	41.	40.		b-m.	Nimb.	"	0.	
7					"	0.			30.47.	64.	37.	37.		"	"	"	0.	
8					"	0.			30.47.	64.	37.	37.		"	"	"	0.	
9					"	0.			30.44.	64.	37.	37.		"	"	"	0.	
10					"	0.			30.38.	63.	34.	34.		"	"	"	0.	
11					"	0.			30.48.	63.	34.	33.		"	"	"	0.	
Mid.					"	0.			30.38.	62.	33.	32.		"	"	"	0.	

under the command of Commander R. G. Davenport, U. S. Navy,

Friday January 4th ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cold. Gentle North'ly breezes. Barometer falling.

Ralph Earle.
Ensign U. S. N.

4 to 8 A.M.

Cloudy and cold. Gentle breezes to light airs from North. Barometer slowly falling. Moon set at 6:20. Received in Pay Dept. 48 lbs of fresh bread and 72 lbs each of meat and vegetables.

Ralph Earle.
Ensign U. S. N.

8 A.M. to Meridian.

Clear and cool. Light airs from W.N.W. Mustered at 8:15, the following were absent without permission. R. O. Bjork, (Stwd). L. Manion, (F.C.). Wm Anear, (B.M.2c). P. Hines, (Stwd), and E. Johnson (Stwd). F. Springstead (O.S.), was rated Seaman from this day.

E. L. Beach.
Lieutenant U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light airs from W.N.W.

E. L. Beach.
Lieutenant U. S. N.

4 to 8 P.M.

Clear and cold. Light airs from W.N.W. At 4:10 called all hands to muster, and read out proceedings of S. G. M. in case of J. Feeley (C.W.). He was charged with being drunk on duty, and with using obscene, threatning and abusive language to his superior officer. He was found guilty and sentenced to be confined in solitary confinement in single rooms for 30 days on bread and water with full ration every 3rd day, and to lose one months pay amounting to $52.36. Sentence was approved by convening authority, but because of clear record on board was mitigated to solitary confinement in single rooms on bread and water for 20 days, with full ration every 3rd day, and to lose $34.4. That part of sentence involving loss of pay was referred to Secretary of Navy.

E. L. Beach. Lieutenant U. S. N.

8 P.M. to Midnight.

Clear and cool. Calm

E. L. Beach Lieutenant U. S. N.

Examined and found to be correct.

E. F. Looper
Lieutenant U. S. N.
Navigator.

4—918

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

Moored to Dock, Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to Dock.	Calm.	0.			30.37.	61.	30.	30.		b.-n.	none.	none	0.	
2				"	"	0.			30.37.	61.	29.	29.		"	"	"	0.	
3				"	"	0.			30.36.	60.	28.	29.		b.-c.-n.	b.-l.	"	4.	
4				"	"	0.			30.35.	60.	28.	28.		"	"	"	8.	
5				"	"	0.			30.34.	60.	30.	30.		"	"	"	6.	
6				"	"	0.			30.34.	61.	30.	30.		"	"	"	6.	
7				"	"	0.			30.35.	62.	30.	30.		"	"	"	8.	
8				"	"	0.			30.36.	62.	30.	30.		"	"	"	8.	
9				"	North.	2.			30.40.	63.	34.	33.		b.-n.	none.	"	0.	
10				"	"	3.			30.43.	63.	37.	34.		"	"	"	0.	
11				"	N.N.E.	4.			30.45.	64.	39.	36.		b.-c.-n.	b.-l.	"	1.	
Noon.				"	"	4.			30.48.	64.	42.	39.		"	"	"	1.	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For Aft
Empty

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 136 " 73 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1				Moored to Dock.	N.N.E.	5.			30.46.	62.	44.	40.		b.-c.-n.	b.-l.	l.-nimb.	3.	
2				"	"	5.			30.43.	60.	43.	40.		"	"	"	3.	
3				"	"	5.			30.44.	60.	43.	39.		"	"	"	4.	
4				"	"	5.			30.44.	60.	43.	37.		"	"	"	4.	
5				"	"	4.			30.46.	62.	42.	39.		"	"	"	5.	
6				"	"	2.			30.48.	65.	40.	38.		"	"	"	7.	
7				"	"	1.			30.51.	65.	38.	37.		"	"	"	2.	
8				"	Calm.	0.			30.52.	66.	37.	36.		"	"	"	2.	
9				"	"	0.			30.52.	65.	36.	35.		"	"	"	5.	
10				"	"	0.			30.52.	65.	36.	35.		"	"	"	5.	
11				"	"	0.			30.52.	65.	35.	34.		"	"	"	4.	
Mid.				"	"	0.			30.52.	65.	33.	33.		"	"	"	3.	

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday January 5th, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Misty and cold. Calm.

E. L. Beach Lieutenant U. S. N.

4 to 8 A.M.
Misty and cold. Calm.

E. L. Beach Lieutenant U. S. N.

8 A.M. to Meridian.
Clear and cool. Calm to moderate breze from N. Wds. Barometer rising. At 8.15 mustered all hands. Absentees: L. Manion (F.C.), R.C. Bjorkdahl, W. Anear (Mus. C.), P. Hines (Sea), E. Johnson (Sea). Received aboard and placed in position new foretop. The following Navy Yard workmen were aboard ship at work: Stn. S. C. Sept 4 Boilermakers, 3 helpers, 2 apprentices, 2 machinists and 2 helpers. Stn. C and R, 2 Painters, 1 Joiner, 3 Plumbers, 1 helper, 3 Carpenters 2 helpers.

W. B. Moon
Lieutenant U. S. N.

Meridian to 4 P.M.
Clear and pleasant. Stiff breze from N.W. Barometer falling slightly. Sent liberty party ashore at 2 P.M. The same men from Navy Yard at work aboard ship during afternoon. W. Johnson (Mus. C.) placed in solitary confinement for three days for insolence and insubordination by order of Commanding Officer.

W. B. Moon
Lieutenant U. S. N.

4 to 8 P.M.
Clear and fine. Stiff breze to light airs from N.W. Barometer rising slowly.

W. B. Moon
Lieutenant U. S. N.

8 P.M. to Midnight.
Fair and cold. Calm. Barometer steady. Bright moonlight.

Ralph Earle
Ensign U. S. N.

Examined and found to be correct.

F. F. Lieper.
Lieutenant U. S. N.
Navigator.

4—310

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

moored to Hook. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1				moored to Hook	Calm.	0.			30.52.	65.	33.	32.		b.c.-m.	S Cu-nus		3.	
2					"	0.			30.52.	64.	33.	32.		"	"	"	4.	
3					"	0.			30.52.	63.	32.	31.		"	"	"	6.	
4					N E.	1.			30.52.	62.	32	30.		"	"	"	2.	
5					Calm.	0.			30.54.	63.	31.	31.		b-m	none.	"	0.	
6					"	0.			30.54.	63.	31.	31.		"	"	"	0.	
7					"	0.			30.53.	60.	31.	31.		"	"	"	0.	
8					N by E.	1.			30.52.	60.	31.	31.		"	"	"	0.	
9					"	1.			30.51.	50.	34.	32.		b.c.	Ci-S	"	2.	
10					N E by E.	1.			30.50.	50.	41.	38.		"	"	"	2.	
11					"	1.			30.50.	52.	42.	40.		"	"	"	2.	
Noon.					"	1.			30.50.	52.	42.	40.		"	"	"	2.	

Position at 8 A. M. { Latitude by ° ′ ″ Navy Temp. For Ofcr. Empty
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200. gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 135 " 993 "

P. M.																
1				moored to Hook	S E.	1.			30.51.	63.	49.	47.		b-c-m.	Ci.	none	1.	
2					"	2.			30.51.	64.	54	47.		"	"	"	2.	
3					"	2.			30.52.	64.	51.	47.		"	"	"	2.	
4					"	2.			30.52.	64.	47.	46.		"	"	"	1.	
5					"	2.			30.52.	64.	46.	45.		"	"	"	2.	
6					"	1.			30.48.	64.	46.	45.		b-m.	none.	"	0.	
7					Calm.	0.			30.44.	64.	45.	44.		"	"	"	0.	
8					"	0.			30.40.	64.	45.	44.		b-c-m.	S Cu	"	7.	
9					"	0.			30.37.	62.	43.	42.		o-c-m.	"	"	10.	
10					"	0.			30.37.	62.	42.	42.		"	"	"	10.	
11					"	1.			30.35	62.	42.	42.		"	"	"	10.	
Mid.					"	0.			30.37.	62.	42.	42.		"	"	"	10.	

under the command of Commander R. E. Davenport, U. S. Navy,

Sunday January 6th ,1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cold. Calm with light N & E'ly airs last hour. Barometer steady. Bright moonlight.

Ralph Earle,
Ensign U. S. N.

4 to 8 A.M.

Clear and cold. Calms and light N by E'ly airs. Barometer rose slightly and then began to slowly fall. Bright moon light.

Ralph Earle,
Ensign U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Light N by E'ly to N E by E'ly breezes. Barometer fell slightly. At 9:30 mustered at quarters - absentees, R. O. Bjork, Lds, W. Andar, B.M 2c, E. Johnson, Lds, L. Manion, C.P, and P. Hines, Lds,. Published general orders Nos 13, 14, 15, and 16. and read the Articles for the Government of the Navy.

Barnett (chas) declared a deserter from Sept 5th 1900. Ed. H. Thomette, (ord 3c) declared a deserter from Dec 15th 1900. R. O. Bjork, Lds, declared a deserter from Dec 27th 1900.

Ralph Earle,
Ensign U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light S E'ly airs and breezes. Barometer rose slightly.

Ralph Earle,
Ensign U. S. N.

4 to 8 P.M.

Clear and pleasant. Light airs from S & E and calms. Barometer falling. Ensign Ralph Earle left the ship with leave until the 10th. F. D. Bailey, Lds. returned on board from leave of absence.

F. F. Leafer.
Lieutenant U. S. N.

8 P.M. to Midnight.

Overcast. Calm. Barometer falling.

F. F. Leafer.
Lieutenant U. S. N.

Examined and found to be correct.

F. F. Leafer
Lieutenant U. S. N.
Navigator.

4—208

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

Moored to Dock. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1				Moored to Dock.	Calm.	0.			30.27.	64.	42.	41.		b.c.-m.	S. Cu-nms.		8.	
2				"	"	0.			30.27.	64.	41.	41.		"	"	"	8.	
3				"	"	0.			30.27.	64.	41.	41.		"	"	"	8.	
4				"	"	0.			30.27.	64.	41.	41.		"	"	"	9.	
5				"	"	0.			30.25.	67.	38.	38.		"	"	"	7.	
6				"	"	0.			30.25.	67.	38.	38.		"	"	"	4.	
7				"	"	0.			30.24.	62.	36.	35.		"	"	"	5.	
8				"	"	0.			30.24.	60.	36.	35.		"	"	"	5.	
9				"	S.S.W.	1.			30.22.	57.	43.	41.		"	Cu. Cu.	"	5.	
10				"	"	2.			30.21.	57.	46.	44.		"	Cu. Cu-S.	"	4.	
11				"	"	2.			30.19.	58.	48.	46.		"	"	"	6.	
Noon.				"	S.W.	3.			30.18.	61.	50.	46.		"	"	"	7.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag Temp. For Aft. Empty.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 13.20 lbs.

Coal remaining on hand at noon, 134 " 913 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, numerals.	State of the Sea.
P. M.																		
1				Moored to Dock.	S.W.	1.			30.18.	61.	51.	48.		b.c.-m.	S. Cu-nms.		8.	
2				"	"	1.			30.17.	62.	56.	52.		"	Cu-S.	"	4.	
3				"	"	1.			30.16.	63.	55.	52.		"	"	"	6.	
4				"	"	1.			30.16.	61.	57.	54.		"	"	"	6.	
5				"	Calm.	0.			30.20.	63.	50.	49.		o.c.-m.	Fr. Cu.	"	10.	
6				"	"	0.			30.23.	64.	47.	47.		"	"	"	10.	
7				"	"	0.			30.25.	63.	45.	46.		b.c.-m.	Cu.	"	6.	
8				"	"	0.			30.28.	63.	44.	44.		"	"	"	2.	
9				"	"	0.			30.28.	64.	44.	43.		"	"	"	2.	
10				"	"	0.			30.30.	66.	42.	41.		"	Cu-S.	"	5.	
11				"	"	0.			30.32.	66.	42.	41.		"	"	"	5.	
Mid.				"	"	0.			30.34.	66.	41.	39.		"	"	"	5.	

4-96

under the command of Commander R. G. Davenport, U. S. Navy,

Monday January 7th, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy. Calm. Barometer steady.

F. F. Lerfer
Lieutenant. U.S.N.

4 to 8 A.M.

Partly clear. Calm. Barometer falling slowly. Rigging fore topmast. Received in Supplies and Accounts fresh provisions for crew.

F. F. Lerfer
Lieutenant. U.S.N.

8 A.M. to Meridian.

Fair and cool. Light breeze from S.S.W. Sent up and secured fore topmast. Mustered at 8:30. The following were absent without permission L. Manion (F1C), W. Ames (B1M2C) P. Hines (Sea) F. G. Poole (CMAA) E. Johnson (Sea). Pay Clerk R. G. Little reported on board. Workmen from Yard on board in C. and R. and S.E.

E. L. Beach Lieutenant. U.S.N.

Meridian to 4 P.M.

Clear and cool. Light airs from S.W. Rigging fore topmast. Albert Connelly (Sea) left ship he being transferred to N.Y. Navy Yard (Vermont). Hospital apprentice T. J. Hennessey was sent to hospital. Rigging fore topmast.

E. L. Beach. Lieutenant. U.S.N.

4 to 8 P.M.

Cloudy. Calm. P. Duffy (Sea) came on board being transferred to this ship from receiving ship "Franklin".

E. L. Beach Lieutenant. U.S.N.

8 P.M. to midnight.

Partly clear. Calm.

E. L. Beach
Lieutenant. U.S.N.

Examined and found to be correct.

E. F. Lerfer,
Lieutenant. U.S.N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" 3d **Rate,**

Moored to Dock. Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes	State of the Sea.
A. M.																		
1				Moored to Dock	North.	1.			30.35.	65.	40.	39.		b. v. m.	none.	none.	0.	–
2					"	1.			30.37.	65.	39.	38.		"	"	"	0.	–
3					N N W.	2.			30.39.	65.	40.	40.		b. m.	"	"	0.	–
4					"	1.			30.41.	65.	39.	39.		"	"	"	0.	–
5					Calm.	0.			30.39.	64.	39.	39.		"	"	"	0.	–
6					"	0.			30.39.	63.	38.	38.		b. c. m.	S.	"	2.	–
7					N E.	1.			30.39.	61.	38.	37.		"	"	"	2.	–
8					"	1.			30.41.	61.	39.	38.		"	"	"	2.	–
9					"	1.			30.43.	60.	40.	39.		"	"	"	1.	–
10					"	1.			30.44.	58.	46.	44.		b. c.	C. S.	"	2.	–
11					"	1.			30.44.	58.	48.	44.		"	"	"	3.	–
Noon.					"	1.			30.44.	58.	52.	48.		"	"	"	3.	–

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For Dft.
Empty.

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700. "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 133 " 1833 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes	State of the Sea.
P. M.																		
1				Moored to Dock	N N E.	2.			30.40.	60.	57.	53.		b. c. m.	C. S.	none.	3.	
2					"	1.			30.38	61.	57.	53.		"	"	"	3.	
3					"	2-3.			30.38.	61.	53.	50.		"	"	"	3.	
4					"	3.			30.38.	60.	49.	47.		"	"	"	4.	
5					"	3.			30.38.	60.	47.	45.		"	"	"	4.	
6					"	1.			30.37	60.	45.	44.		"	"	"	4.	
7					Calm.	0.			30.37.	65.	44.	44.		"	"	"	2.	
8					"	0.			30.37	68.	43.	43.		b.	none.	"	0.	
9					"	0.			30.38	68.	43.	42.		"	"	"	0.	
10					"	b.			30.39.	68.	41.	40.		"	"	"	0.	
11					"	0.			30.40.	68.	40.	39.		"	"	"	0.	
Mid.					"	0.			30.42.	68.	39.	39.		"	"	"	0.	

under the command of Commander R. F. Davenport, U. S. Navy,

Tuesday January 8th, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light Northerly airs.

E. B. Beach
Lieutenant. U. S. N.

4 to 8 A.M.

Clear and cool. Calm. Received fresh provisions in Pay Department as follows: 1 8 lbs of fresh bread and 60 lbs each of fresh meat and vegetables.

E. B. Beach
Lieutenant. U. S. N.

8 A.M. to Meridian.

Clear and pleasant. Light airs from N to E. Barometer steady. At 8:15 mustered all hands absentees - L. Mannion, 3 c., W. Arneas, Bm 2 c., P. Ames, Ldsm., F. C. Porter, Ch M.A., E. Johnson, Ldsm. During watch the following Navy Yard workmen were working aboard ship. Bu Construction Dept 1 Painter, 2 Iron workers and 2 helpers. Bu Steam Engr Dept 1 Machinist, 1 Boilermaker, 1 Pipe coverer and 3 helpers. S. Watanabe, M.R. Cook, placed in double irons to await action of Commanding Officer, for malingering and refusing duty. At 12:00 W. Johnson, Matt, released from confinement, his term of confinement having expired. At 9:30 powder boy came alongside and commenced taking aboard ammunition.

W. R. Cook
Lieutenant. U. S. N.

Meridian to 4 P.M.

Clear and fine. Light to gentle breeze from N to E. Barometer falling slightly. Same navy yard workmen at work aboard ship. Sent up fore and main topgallant masts. At 4 finished taking aboard ammunition and powder boy left ship. Received in Pay Stores General Court Martial orders #576 1214 inclusive published on bulletin board.

W. R. Cook
Lieutenant. U. S. N.

4 to 8 P.M.

Clear and cool. Light breze from N to E to calm. Barometer steady.

W. R. Cook
Lieutenant. U. S. N.

8 P.M. to Midnight

Clear and cool. Calm. Barometer rose slowly. F. C. Porter, Ch M.A., returned from leave 4 8 hours overtime

W. R. Cook
Lieutenant. U. S. N.

Examined and found to be correct.

E. F. Leuppe
Lieutenant. U. S. N.
Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Moved to Dock. Navy Yard. Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water by Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1				Moored	Calm.	0.			30.39.	67.	39.	39.		b.m.w.	none.	none.	0.	
2					"	0.			30.37.	67.	39.	39.		"	"	"	0.	
3					"	0.			30.37.	67.	38.	38.		"	"	"	0.	
4					"	0.			30.34.	67.	38.	37.		"	"	"	0.	
5					S.S.W.	1.			30.34.	68.	38.	37.		"	"	"	0.	
6				to	"	1.			30.34.	68.	38.	37.		"	"	"	0.	
7					"	1.			30.34.	69.	39.	37.		"	"	"	0.	
8					"	1.			30.34.	67.	40.	39.		"	"	"	0.	
9					"	1.			30.34.	66.	40.	39.		b.c.	Ci.	"	2.	
10				Dock.	"	2.			30.35.	67.	52.	50.		"	"	"	2.	
11					"	2.			30.35.	67.	51.	54.		"	"	"	1.	
Noon.					"	2.			30.35.	68.	55.	54.		"	"	"	1.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Var. Temp. Wtr.
Longitude by ° ′ ″ 64-62. 65-64

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200. gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 133 " 513 "

P. M.																		
1				Moored	S.W.	2.			30.32.	67.	64.	63.		b-c-m.	Ci.	none.	2.	
2					"	2.			30.28.	67.	67.	64.		"	"	"	1.	
3					"	1.			30.28.	69.	68.	66.		"	"	"	1.	
4					S.S.W.	1.			30.27.	69.	67.	66.		"	"	"	2.	
5					"	1.			30.28.	69.	61.	58.		"	b.-d	"	3.	
6				to	"	1.			30.29.	69.	60.	58.		"	"	"	3.	
7					"	1.			30.31.	66.	56.	55.		b.m.	none.	"	0.	
8					"	1.			30.31.	65.	54.	53.		"	"	"	0.	
9					S.W.	1.			30.34.	64.	52.	52.		b.w.	"	"	0.	
10				Dock.	"	1.			30.36.	64.	52.	52.		"	"	"	0.	
11					Calm.	0.			30.34.	63.	52.	51.		b.c.w.	Ci.	"	2.	
Mid.					"	0.			30.32.	63.	52.	51.		"	"	"	1.	

Stores received in Equiptment (Nav) Department from the General

Storekeeper.Navy Yard,Norfolk.Va. Jan 9th 1901. Meridian to 4.P.M

1Speaking trumpet	1 U.S.Ensign #7.
1 Lead 14lbs	1 Sounding machine lead

Received in Ordnance Dept from General Storekeeper .

10 Fire buckets	10 Lanyards for same.
1 Set drills	1 Tompion 4"
1 Operating leaver 6pdr	1 Handle lock
1 Rattle	2 Main springs 6pdr
2 Callery targets	4 Single sticks
2 Sponge heads 6pdr	10 Cleaning cords
3 Bayonets scabbards	2 Firing pin locks 6m/m
2 Front sight covers 6m/m	11 Rebound springs 38 rev
12 Hand springs 38 rev	10 Cartridge boxes " "
6 Holsters	173 Canteens

Received in C.&.R Departmenfrom Genetal Storekeeper

50ft 1/2"white ash	2 Blocks single 6"
50 " 3/4 " "	2 " " 8"
50 " 1" " "	2 " " 9"
150 " 1" Pine	2 " double 6"
50 " 2" "	2 " " 8"
25 " 3" Oak	2 " " 9"
50 " 11/2" "	2 Clump blocks 9"
50 " 3" "	2 Secret blocks 7"
25 " Black walnut 1"	2 Brace blocks 12" single
25 " " " 3/4"	50ft Mohogany 1"
25 " Juniper 1"	50 " Juniper 3/4"
20 Oars 14ft long	10 Oars 10ft long

Received in Equiptment Department from General Storekeeper.

1 Sea anchor	4 Tar brushes	20yds 8oz Duck
281/2yds 10oz Duck	97yds Cotton canvas#4	30 " Cotton canvas#8
7 1/2 " Flax canvas#2	64 " Flax canvas #3	85lbs Manila 12 threa
88lbs Manila 18 thread	94lbs Manila 21 thread	270" Hemp 2 1/4 4 "
142 " Hemp 2"4thread	142 " Hemp ratline 21 thread	

134lbs Manila 1 3/4"	196 Manila 2 1/2"
232 " " 2 3/4"	315 " " 3 1/4"
382 " " 3 1/2"	432 " " 3 3/4"
568 " " 4 1/4"	150 " Hemp 1 3/4"4thread
1 Finger bowl	48 " " 2" 4 "
5 Glasses claret not	84 " " 2 1/2"4 "
1 " sherry	155 " Wire 2 1/2" 59fms
1 Ice plate	2 Tumblers
1 Saucer,AD	1 Saucer breakfast
1 gross Eylet grommets 1"	1 gross Eylet grommets 1 1/2"
1 " Grommet rings 1"	1 " Grommet rings 1 1/2"
36 Calv Thimbles,assorted	5 lbsCotton twine 6 ply
12 lbs Flax sewing twine 3 ply	80 " Cod line
88 " 15 thread Manila	40 " Seizing wire
500 " Hemp junk	6 Hanks galvanized 1 1/4
24 Sis hooks & thimbles	24 Thimbles assorted

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday January 9th, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Calm. Barometer falling.

W. R. Brown
Lieutenant. U. S. N.

4 to 8 A.M.

Clear and cool. Calm to light airs from S.S.W. Barometer steady. Received in Provisions 48 lbs fresh bread and 60 lbs each of fresh meat and vegetables. G. H. Cass, yeo 1st c, returned from leave of absence.

W. R. Brown
Lieutenant. U. S. N.

8 A.M. to Meridian.

Fair and pleasant. Light breeze from S.S.W. Mustered at 8.15 following were absent without permission, L. Manion, F.F. 1st c, W. Cross, B.M. 2d c, P. Hines, do., E. Johnson, do.; Navy Yard workmen on board in S.E. Continued rigging and reeving off gear of sails on fore, and getting old condemned gear off ship.

E. L. Beach Lieutenant. U. S. N.

Meridian to 4 P.M.

Clear and pleasant. Light breeze from S.W. E. W. Whitehead, Gun., left ship being transferred to U. S. R. S. "Vermont". Alfred Duncan, S.G. 1st c, received his discharge and left ship. J. E. James, do., was given acting appointment as yeo 3d c, ~~vice Duncan~~ to take effect on discharge and left ship. Sent to store house rope, and old hammocks clothes ordered turned in to store by board of survey. Bent fore sail, fretpsail, fore topmast stay sail, and gib. Rove off gear and braces. Received stores on C. and R. Ordnance, and Equipment (Navigation) as per appended list. Received in Steam Engineering 51 springs, and 200 grate bars; Also old distiller coil that had been turned. Workmen on board in S.E.

E. L. Beach
Lieutenant. U. S. N.

4 to 8 P.M.

Clear and pleasant. Light breeze from S.S.W. Coal lighter came along port side at 6.30. It struck port #8 gun carrying away forward halves of gun port and training arc of gun.

E. L. Beach Lieutenant. U. S. N.

8 P.M. to midnight.

Fair and cool. Light airs from S.S.W. C. R. Jones, yeo 3d c, returned from leave 10 hours overtime. J. Graves, do., was absent from ship without leave.

E. L. Beach Lieutenant. U. S. N.

Examined and found to be correct.

F. L. Lorfer
Lieutenant. U. S. N.
Navigator.

4—206

LOG of the UNITED STATES Training Ship "Essex" 3d **Rate,**

Moored to Dock, Navy Yard. Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1				Moored	Calm	0.			30.32.	60.	50.	50.		b.c.m.	Cu. St.	mus.	3.	
2				"	"	0.			30.32.	60.	50.	50.		"	"	"	4.	
3				"	"	0.			30.30.	60.	50.	50.		"	"	"	4.	
4				"	"	0.			30.28.	60.	50.	50.		"	"	"	7.	
5				"	"	0.			30.27.	60.	50.	50.		"	"	"	8.	
6				"	"	0.			30.27.	60.	50.	49.		o.c.m.	St Cu.	"	10.	
7				to	"	0.			30.27.	61.	52.	51.		"	"	"	10.	
8				"	"	0.			30.28.	61.	53.	51.		"	"	"	10.	
9				"	S S W.	1.			30.29.	62.	54.	52.		b.c.m.	"	"	7.	
10				"	"	2.			30.29.	62.	55.	54.		"	"	"	6.	
11				Dock.	"	2.			30.30.	63.	55.	54.		"	St.	"	6.	
Noon.				"	"	2.			30.25.	65.	69.	54.		"	"	"	9.	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ For Qtr
65-63 - 64-63

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, 1 tons, 340 lbs.

Coal remaining on hand at noon, 161 " 733 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, each kind.	State of the Sea.
P. M.																		
1				Moored	S S W.	1.			30.30.	68.	68.	66.		b.c.m.	St.	mus.	8.	
2				"	"	2.			30.18.	69.	68.	65.		"	St Cu.	"	9.	
3				"	"	2.			30.16.	69.	68.	65.		"	"	"	9.	
4				"	"	1.			30.16.	69.	68.	65.		o.c.d.	St Cu.	"	10.	
5				"	S W.	2.			30.17.	69.	66.	66.		"	"	"	10.	
6				to	"	1.			30.14.	68.	64.	64.		"	"	"	10.	
7				"	"	1.			30.16.	69.	64.	64.		"	"	"	10.	
8				"	"	1.			30.18.	69.	62.	62.		"	"	"	10.	
9				"	"	1.			30.18.	68.	61.	61.		"	"	"	10.	
10				"	"	1.			30.18.	76.	61.	61.		"	"	"	10.	
11				Dock.	"	2.			30.18.	75.	60.	60.		"	"	"	10.	
Mid.				"	"	2.			30.17.	74.	60.	59.		"	"	"	10.	

under the command of Commander R. G. Davenport, , U. S. Navy,

Thursday January 10th ,190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P. M.

Fair and pleasant. Calm.

E. H. Beach Lieutenant. U. S. N.

4 to 8 P. M.

Fair and pleasant. Calm. Commenced coaling ship from lighter at 6:30. J. Graver, Sdsm, who had been absent without leave, was found on board. Received in Pay Dept. the following fresh provisions. 48 lbs of fresh bread and 60 lbs each of fish meat and vegetables.

E. H. Beach

Lieutenant. U. S. N.

8 P. M. to Meridian.

Note: 8 P. M. to Meridian.

W. Anear, Bm. 2c, was transferred to Naval Hospital. Norfolk, Va; and the word discontinued in the last line of the above mentioned watch.

W. K. Barton

Lieutenant U. S. N.

light airs from S. S. W. Continued coaling ship until 10:30 away. Absentees P. Annis, Sdsm, E. Johnson, Sdsm, and J. Johnson, Bm, al police authorities for the apprehension and delivery aboard The Commanding Officer inposed the following punishments, iniment on bread and water for malingering and refusing duty. 5 clays for leaving ship without permission. H. Peterson, Bm, 2c, Irwin P.A. Paymaster U. S. N. and J. Norton, Paymasters Clerk reported master U. S. Ammen U. S. N. and Paymasters Clerk R. G. Little U. S. N.

declared deserters from Dec 27th 1900 and January 1st 1901, respectively. Barometer rising slowly, then falling.

W. K. Barton

Lieutenant. U. S. N.

Meridian to 4 P. M.

Overcast with slight drizzling rain at end of watch. Barometer falling slowly. Light airs to light breezes from S. S. W. Bent main topsail. Received aboard in Equipment Dept. 100 Bleek clothes bags. 4 pairs Lg wons. 1 pair Standwons. and 1 Shoe knife. Torpedo Boat Holland and U. S. Tug Standish arrived at Navy yard.

W. K. Barton

Lieutenant. U. S. N.

4 to 8 P. M.

Overcast and drizzling. Light S. W. ly airs. Barometer rising slowly.

W. K. Barton

Lieutenant. U. S. N.

8 P. M. to midnight.

Overcast and drizzling. Light airs to light S. W. ly breezes.

W. K. Barton

Lieutenant. U. S. N.

Examined and found to be correct.

E. T. Langer

Lieutenant U. S. N.

Navigator.

4—265

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday January 10th ,190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Fair and pleasant. Calm.

E. H. Beach Lieutenant. U. S. N.

4 to 8 A. M.

Fair and pleasant. Calm. Commenced coaling ship from lighter at 6:30. J. Graver, Ldsm. who had been absent without leave, was found on board. Received on Req. Dept. the following fresh provisions. 8 lbs of fresh bread and 60 lbs each of fresh meat and vegtables.

E. H. Beach

Lieutenant. U. S. N.

8 A. M. to meridian.

Overcast and pleasant. Calm to light airs from S. & W. Continued coaling ship until 10:30 when finished and lighter was taken away. Absentees P. Davies, Ldsm, E. Johnson, Ldsm. and J. Johnson, B'm. A reward of $ 10.00 was offered to the local police authorities for the apprehension and delivery aboard ship of the above mentioned absentees. The Commanding Officer inforced the following punishments. S. Watanabe, W. R. Cook. 5 days solitary confinment on bread and water for malingering and refusing duty. J. Graver, Ldsm. confined 1 month on the 4th class for leaving ship without permission. H. Peterson, B'm. 2c. 1½ hour over leave reduced to 4th class. J. Irwin P.C. Paymaster U. S. N. and J. Norton, Paymasters Clerk reported this day for duty aboard this ship. P.C. Paymaster U. S. Commen. U. S. N. and Paymasters Clerk R. G. Little U. S. N. were this day detached from the U. S. T. S. "Queen". L. Marion, F'k. and W. Lucas, B'm. 2c. were this day declared deserters from Dec 27th 1900 and January 1st 1901 respectively. Barometer rising slowly, then falling.

W. H. Beach

Lieutenant. U. S. N.

Meridian to 4 P. M.

Overcast with slight drizzling rain at end of watch. Barometer falling slowly. Light airs to light breges from S. & W. Bent main topsail. Received aboard on Equipment Dept. 100 Bleak cloth bags. 4 pairs Lg irons. 1 pair hand irons. and 1 Shoe knife. Torpedo Boat Holland and U. S. Tug Standish arrived at Navy yard.

W. H. Beach

Lieutenant. U. S. N.

4 to 8 P. M.

Overcast and drizzling. Light S. W'ly airs. Barometer rising slowly.

W. H. Beach

Lieutenant. U. S. N.

8 P. M. to midnight.

Overcast and drizzling. Light airs to light S. W'ly breges.

W. H. Beach

Lieutenant. U. S. N.

Examined and found to be correct.

E. T. Langer

Lieutenant U. S. N.

Navigator.

4—262

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

moored to Dock. Navy Yard. Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1				moored	S S E.	1.			30.15.	74.	59.	58.		o-c-m.	S Cu.	mod.	10.	
2				"	"	1.			30.14.	74.	57.	56.		"	"	"	10.	
3					Calm.	0.			30.13.	72.	58.	58.		c-d.	S.	"	10.	
4				"	"	0.			30.12.	68.	57.	57.		o-c-w.	Fr. Cu.	"	10.	
5				"	"	0.			30.12.	69.	58.	57.		"	"	"	10.	
6				to	"	0.			30.11.	67.	57.	58.		"	"	"	10.	
7				"	"	0.			30.11	67.	57.	57.		"	S.	"	10.	
8				"	"	0.			30.11.	67.	57.	57.		"	"	"	10.	
9				S S E.	1.				30.11.	67.	57.	57.		"	"	"	10.	
10				Dock.	"	2.			30.09.	69.	60.	60.		o-c-m.	"	"	10.	
11					South.	2.			30.07.	68.	62.	62.		"	"	"	10.	
Noon.					"	2.			30.04.	69.	65.	65.		"	"	"	10.	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″ — May Temp. For 4th. 63-62 63-62.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 11 00 "

Coal consumed during the preceding 24 hours, tons, 1320 lbs.

Coal remaining on hand at noon, 160 " 1643 "

P. M.																		
1				moored	S W.	3.			29.94.	71.	73.	70.		l. c-m.	Cu-S mm.		8.	
2				"	"	4-5.			29.91.	72.	75.	71.		"	"	"	8.	
3				"	"	4-5.			29.89.	73.	77.	72.		"	"	"	6.	
4				"	"	3.			29.88.	73.	75.	72.		"	"	"	3.	
5				to	"	2.			29.87.	74.	74.	73.		"	"	"	3.	
6				"	"	3.			29.86.	74.	72.	70.		"	"	"	3.	
7				"	"	3.			29.85.	74.	68.	68.		"	"	"	2.	
8				"	"	4.			29.84.	72.	68.	68.		"	"	"	11.	
9					South.	4.			29.81.	71.	67.	67.		o-c-m.	Cu. M.	"	10.	
10				Dock.	"	5-6.			29.77.	71.	66.	67.		o-c-p-g.	"	"	10.	
11				"	"	5-6.			29.77.	71.	66.	66.		o-c-g	"	"	10.	
Mid.				"	"	5-6.			29.76.	70.	66.	66.		"	"	"	10.	

4-96

under the command of Commander R. G. Davenport, U. S. Navy,

Friday January 11th, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.

Overcast and drizzling first part of watch. Barometer falling slowly. Light S.S.E'ly airs to calm.

W. R. Gherardi
Lieutenant, U. S. N.

4 to 8 P.M.

Overcast and calm. Barometer falling slowly. Received in Pay Stores the following fresh provisions: 48 lbs fresh bread, and 40 lbs each of fish meat and vegetables.

W. R. Gherardi
Lieutenant, U. S. N.

8 A.M. to Meridian.

Overcast with thick fog first hour. Light Southerly and S.S.E'ly airs and breezes. Barometer falling. At 8:18 mustered at quarters, absentees: P. Adkins, Sea, Ed. Johnson, Sea, J. Johnson, Ordinance, F. D. Bailey, Sea, and O. L. Rusk, mach, 1C; a reward of ten dollars being offered for delivery of the latter. T. B. Jones, mus 3C, was discharged from the Naval service as being undesirable. H. Adams, B m 3C, was transferred to U. S. S. "Amphitrite" by order of Bureau of Navigation. Yard workmen aboard all the watch in C & R, 2 joiners and 2 plumbers; on Ordnance, 8 men mounting port after 4" R. F. G. Securing boats for sea. Taking water on board for boilers.

Ralph Earle,
Ensign, U. S. N.

Meridian to 4 P.M.

Cloudy and warm. Gentle to moderate S.W'ly breezes. Barometer falling. Received stores in Equipment from General Storekeeper as follows:- 75 coir brushes, 36 hand scrub brushes, 48 corn brooms, 400 fathoms 2½" manila, 50 fathoms 1" wire rope, 50 fathoms of 1½" wire, 50 fathoms of 2" wire, 200 fathoms of 2" manila, 150 fathoms 3" manila, 52 fathoms 4" manila, 30 bath bricks, 40 lbs lye, 75 boxes polishing paste, 10 gallons tar oil, 300 packages of toilet paper, 50 feet of fire hose, 4 lbs of 4 ply flax twine, 10 lbs tallow; and received in Construction 50 feet of ½" spun, received in Equipment, nav, 3 white lenses, 1 lbs grimshaw tape ¾", 5 lbs spun marking, 1 gross flat wicking, 10 yds bunting red 19", 10 yds bunting white 19", 10 yds bunting blue 4½", 6 shades, and 2 doz hand lantern globes. Received 8000 gallons fresh water in boilers. Made weekly test of flood cocks and found them in good condition. Received from U. S. R. S. "Franklin" O. A. O'Donoghue, hospital steward, and W. J. Miller, mess att. Transferred R. T. Abernathy, hospital steward, to "Franklin" for duty at Naval Hospital. Eight men in Ordnance on board from Hall 3 completing mounting of 4" guns, and 1 joiner repairing gun boat in Con - aboard from 1 till 5.

Ralph Earle,
Ensign, U. S. N.

4 to 8 P.M.

Fair and warm. Light to moderate S.W'ly breezes. Barometer falling. At 5:50 began distilling; boiler "A" in use.

Ralph Earle,
Ensign, U. S. N.

to Midnight.

Overcast and squally with light rain at times. Moderate to fresh Southerly breeze. Barometer falling. O. L. Rusk, Mach 1C, returned from liberty fifteen hours overtime.

Ralph Earle,
Ensign, U. S. N.

Examined and found to be correct.

E. F. Leutze
Lieutenant, U. S. N.
Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" 3rd **Rate,**

moored to Dock, Navy Yard. Norfolk. Va.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, numbers.	State of the Sea.
A. M.																		
1				moored	S S W.	5-7.			29.76.	70.	64.	62.		o-c-g-r.	S Cu.	N mov.	10.	
2					South.	5-7.			29.76.	70.	62.	60		"	"	"	10.	
3					"	5-6			29.76.	68.	58.	57.		"	"	"	10.	
4					"	3.			29.76.	66.	58.	57.		"	"	"	10.	
5				to	"	3.			29.77.	66.	58.	57.		"	"	"	10.	
6					"	2.			29.77.	66.	56.	56.		o-c-d.	"	"	10.	
7					"	2.			29.79.	66.	54.	54.		"	"	"	10	
8					S W.	2			29.81.	66.	51.	54		"	"	"	10	
9					"	1.			29.85.	66.	52.	54.		"	"	"	10.	
10				Dock.	S W by W.	1.			29.90.	67.	53.	54		b-c.	Cu-Cu-S		7.	
11					N W.	4.			29.95.	65.	55.	54.		"	"	"	7.	
Noon.					"	3-4.			29.97.	66.	58.	55.		"	Cu-Cu		4.	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For Aft.

Position at noon: Latitude by observation ° ′ ″ 65-63. 64-62.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by Bearings. 37° 31. 15″ N
Longitude by Bearings. 75° 45. 0″ W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, distilled 1000 "

Coal consumed during the preceding 24 hours, 1900 — 3 tons, 1320 lbs.

Coal remaining on hand at noon, 158 " 328 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, numbers.	State of the Sea.
P. M.																		
1																		
2					N N W.	4.			29.95.	67.	59.	57.		b-c-m.	Cu-Cu	mov.	4.	
3				Various	"	4-5.			29.97.	66.	51.	48.		"	Ci. S.	"	2.	
4				"	"	4-5.			29.97.	67.	50.	48.		"	"	"	2.	
5			26.6.	"	"	4.			30.00.	67.	49.	47.		"	"	"	2.	
6	5.	5.	32.1.	S 69° E.	"	3.			30.02.	67.	47.	46.		"	Ci. Cu. S	"	4.	
7	7.	9.	40.0	Various.	"	3.			30.05.	67.	45.	44.		"	"	"	5.	
8	1.	3.	41.3.	"	"	3.			30.07.	67.	44.	42.		"	S.	"	3.	
9	5.	4.	46.7.	N E by E 1/2 E.	"	3.			30.10.	67.	44.	42.		"	"	"	3.	
10	2.	2.	48.9.	"	"	3.			30.12.	70.	41.	40.	42.	b.	mov.	"	0.	M.
11	3.	4.	53.3.	N 78° E.	"	3.			30.14.	70.	40.	39.	42.	"	"	"	0.	"
Mid.	6.	6.	59.9.	"	"	4-5.			30.14.	70.	40.	39.	42.	"	"	"	0.	"
	5.	8.	65.2.	"	"	4-5.			30.14.	65.	40.	39.	43.	"	"	"	0.	"
	5.	8.	71.0.	"	"	5-6.			30.14.	65.	40.	39.	43.	"	"	"	0.	"
	5.	6.	76.6.	"	"	6.			30.12.	62.	39.	39.	48.	"	"	"	0.	"

4—2.5

under the command of Commander R. F. Davenport, U. S. Navy,

Saturday January 12th, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, squally, with steady heavy rain. Stiff to fresh S S W'ly to South'ly breezes first three hours with gentle South'ly last hour. Barometer steady. At 3:40 coal in starboard after bunker was found to be very hot apparently on fire. Distelling.

Ralph Earle,
Ensign U. S. N.

4 to 8 A.M.

Overcast, cloudy, and raining. Gentle to light South'ly to S W'ly breezes. Barometer began to rise. Distelling. Commenced emptying the after bunkers of coal at 5:20. Discovered that valve of bunkers steam was open causing the coal to heat. Received in Pay Department 180 lbs fresh bread and 225 lbs each of meat and vegetables. At 7:30 lighted fires in boilers "C" and "D" for steaming purposes.

Ralph Earle,
Ensign U. S. N.

8 A.M. to meridian.

Cloudy and cool. Light airs from S W by W backing to moderate breeze from N W at 10:30. Mustered at 8:15 the following were absent without leave. P. Smith, Sea., E. Johnson, Sea., J. Johnson, Boilermaker, and F. S. Bailey, Sea.: J. Christensen, Sea., left ship and was transfered to "Franklin". Received draft of men and boys, (58 in all) from "Franklin"; for passage to New York. Continued taking coal out of after starboard bunker. Stopped distelling at 12. Smuggled hams, and got ready to leave. Rec'd from the Franklin J. Kennedy, C.P., J. W. Slater, Sea., J. S. Dolan, machr., and W. S. Falk, mach'st.

E. L. Bread
Lieutenant U. S. N.

Meridian to 4 P.M.

Clear and fine. Moderate to stiff breeze from N W to W. Barometer rising. Making preparations to unmoor ship. At 1:35 cast off lines and left Navy Yard assisted by U. S. Tug Mohawk. At 1:50 cast off hawse of U.S. Tug Mohawk and stood out of harbor under con of Commanding Officer, and Navigator. At 3:42 Fort Monroe light abeam. Restowing after starboard bunkers with new coal. Av. H. 51. Ave Rev 48.1.

W. B. Baker
Lieutenant U. S. N.

4 to 6 P.M.

Fair and cold. Gentle W N W to W'ly breze. Barometer rising. Completed restowing coal in bags and bunker. Mustered all hands at stations for abandoning ship. John Pyatt on board as passenger to Newport to be initiated as mess attendant for cabin cook if found qualified. At 4:15 Thimble Shoal light on port beam put over log reading 27.6. Standing out of the Chesapeake Capes at end of watch. Cape Henry on starboard beam, ship on course S 85° E (p.d.c.). Under steam alone. Av. steam 57. Av revs 48.8.

Ralph Earle,
Ensign U. S. N.

6 to 8 P.M.

Fair and cold. Gentle breeze from N N W. Steaming with 3 boilers. Steering N E ¼ E until 7:20 when changed course to N 38° E, patent log 49.6. Sighted Cape Charles light ship at 7:40. Av. steam 51, Av Revs 43.3.

E. L. Bread
Lieutenant U. S. N.

8 P.M. to midnight.

Clear and cold. Gentle breeze from N N W, freshening during watch. Sea rising. On course N 38° E (p.c.) nothing to westward. At 8:15 Cape Charles light vessel bore on port bow patent log 55. At 8:20 light vessel bore abeam patent log 55.7. At 8:30 Sighted Hog Island light. At 8:53 Hog Island light bore on port bow Patent log 58.7. At 11:10 Hog Island light bore abeam patent log 71. Av steam 50 Av Revs 46

W. B. Baker
Lieutenant U. S. N.

F. F. Lee
Lieutenant U. S. N.
Navigator.

Examined and found to be correct.

4—205

LOG of the UNITED STATES *Training Ship "Essex"* 3rd **Rate,**

making passage from Norfolk, Va. to Tompkinsville, S.I. N.Y.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eighths	State of the Sea.
A. M.																		
1	5.	3.	81.9.	N 38° E.	N N W.	6.			30.09.	70.	39.	37.	45.	b. c.	S Cu.	mod.	2.	m.
2	6.	5.	88.4.	"	"	6.			30.07.	70.	39.	37.	45.	"	"	"	2.	"
3	6.	9.	95.3.	"	"	6.			30.09.	68.	39.	37.	45.	"	"	"	4.	"
4	7.	7.	3.0.	"	"	6.			30.09.	66.	39.	37.	45.	"	"	"	6.	"
5	7.	1.	10.1.	"	"	6.			30.10.	66.	39.	37.	45.	"	"	"	8.	"
6	2. 4.	9. 0.	13.0. 17.0.	N 25° E.	"	6.			30.10.	66.	38.	37.	45.	"	"	"	5.	"
7	6.	7.	23.7.	"	"	6.			30.11.	66.	38.	37.	45.	"	"	"	5.	"
8	6.	8.	30.5.	"	"	6.			30.11.	66.	38.	37.	45.	"	Cu.	"	4.	"
9	5.	9.	36.4.	"	"	6.			30.18.	66.	39.	37.	44.	"	Cu.	"	4.	"
Bycliffe.	5.	0.	37.8.	N ½ E.	"	6.			30.18.	66.	40.	39.	44.	"	"	"	4.	"
11	4.	7.	42.5.	"	North.	6.			30.17.	66.	40.	39.	44.	"	"	"	4.	"
Noon.	6.	1.	48.6.	"	"	6.			30.17.	66.	39.	37.	44.	"	"	"	3.	"

Position at 8 A. M.: Latitude by D.R. 38° 07′ 00″ N. Mag Temp.
Longitude by Obs. 74° 30′ 30″ W. For Eff. 66-66 63-62.

Position at noon: Latitude by observation 38° 17′ 14″ N.
Longitude by observation 74° 31′ 24″ W.
Latitude by D. R. 38° 22′ 09″ N.
Longitude by D. R. 74° 45′ 18″ W.

Course made good since preceding noon: N 36° E.

Distance made good since preceding noon: 1 40 miles.

Distance by Log since preceding noon: 1 39.3 miles.

Current per hour: 0. 75 miles, set S 65° E true.

Position at 8 P. M.: Latitude by Bearings 39° 05′ 30″ N.
Longitude by " 74° 34′ 15″ W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 11 tons, 140 lbs.

Coal remaining on hand at noon, 146 " 2140 "

P. M.																		
1	5.	0.	53.6.	N ½ E.	N by W.	5.			30.13.	57.	39.	37.	44.	b. c.	Ci.	mod.	2.	m.
2	5.	7.	59.3.	"	"	5.			30.12.	57.	39.	37.	44.	"	"	"	2.	"
3	6.	2.	65.5.	"	"	5.			30.10.	58.	41.	38.	44.	"	"	"	3.	"
4	6.	7.	72.2.	"	"	5.			30.10.	58.	41.	38.	45.	"	"	"	2.	"
5	1. 4.	9. 11.	74.1. 79.5.	N by E.	N W.	4-5.			30.11.	58.	39.	37.	45.	"	"	"	2.	S
6	7.	0.	85.5.	"	N W by W.	4.			30.11.	57.	39.	37.	45.	"	"	"	2.	"
7	6.	0.	91.5.	"	"	"												
	1.	1.	92.6.	N 27° E.	N by W.	4-3.			30.15.	60.	38.	37.	45.	b.	mod.	"	0.	"
8	7.	2.	99.8.	"	"	3.			30.20.	60.	38.	37.	46.	b. c.	S.	"	1.	"
9	6.	6.	6.4.	"	North.	3.			30.18.	61.	38.	36.	46.	b.	mod.	"	0.	"
10	6.	9.	13.3.	"	"	4.			30.18.	62.	37.	34.	46.	"	"	"	0.	"
11	6.	6.	19.9.	"	"	4.			30.17.	60.	35.	33.	46.	"	"	"	0.	"
Mid.	6.	2.	26.1.	"	"	5.			30.17.	60.	34.	33.	45.	"	"	"	0.	"

under the command of Commander R. G. Davenport, , U. S. Navy,

Sunday January 13th ,1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fresh NW by W breezes. Barometer fell a little, moon rose at 12:50. At 12 took sounding in 14 fathoms. Set jib, foretopmast staysail, trysail, and spanker at 1:00. Passed a steamer bound South. On course N 38° E (p.s.c.). Under steam and the above sail log 3.0 at end of watch. Av Steam 5.1. Av revs 42.3.

Ralph Earle,
Ensign U.S.N.

4 to 8. A.M.

Fair and cold. Fresh breeze from NW by W. Steaming with 3 boilers. Fore and aft sail, except flying jib and main topmast staysail. Steering N 38° E until 5:30 when changed course to N 35° E. patent log 13.0. Av St 5.2 Av Revs 43.4

E. L. Beach.
Lieutenant U.S.N.

8. A.M. to Meridian.

Fair and cold. Fresh breeze from NW by W shifting to North. On course N 35° E under steam on 3 boilers and jib, foretopmast, trysail, and spanker. At 9:10 changed to N ¼ E, and took in sail. Passing several Schooners. At 10:05 discovered patent log foul, cleared same reading 37.8. At 9:30 went to quarters for muster. The Chaplain held divine service. Barometer steady. Av Revs 43 Av St 5.6.

W. P. Cronan
Lieutenant U.S.N.

Meridian to 4 P.M.

Clear and cold. Stiff NNW to NW by W breezes. Barometer steady. Stowed remainder of coal below. At 3:00 set fore topmast staysail, jib, trysail, and spanker. Several sail in sight. At 3:50 sighted South East End light vessel bearing North. On course N ½ E (p.s.c.) log 72.2 at end of watch. Av Steam 5.2. Av Revs 41.

Ralph Earle,
Ensign U.S.N.

4 to 6 P.M.

Clear and cold. Moderate breeze from NW by W. Steering N ½ E until 4:18 when changed course to N by E, patent log 74. Jib, flying jib, trysail and spanker set until 5:20 when hauled down. Light ship at SE and NE ends of five fathom bank in sight. Steaming with 3 boilers. Av St 5.2. Av Revs 42.8.

E. L. Beach
Lieutenant U.S.N.

6 to 8. P.M.

Clear and cold. Moderate to gentle breeze from N by W. On course N by E under steam on 3 boilers until 6:50 when changed course to N 27° E. NE end light ship, bearing about distant 1000 yds. patent log 91.5. At 7:58 sighted Abrecon light bearing North. Barometer rising. Av St 5.4 Av Revs 44.8

W. P. Cronan
Lieutenant U.S.N.

8. P.M. to Midnight.

Clear and cold. Gentle to stiff North by W breezes. Barometer falling slowly. At 9:20, log 8.7, Abrecon was on port bow, and At 10:46, log 18.5, it was abeam distant 9.8 miles. At 11:10 sighted Tuckers Beach bearing N 12° W. At 11:30, log 23, Tuckers Beach light was on port bow. A Steamer passed bound South at 11:00. Under Steam alone on course N 27° E (p.s.c.) log 26 at end of watch. Av Steam 5.2 Av Revs 44.1.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant U.S.N.
Navigator.

4—205

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Making Passage from Norfolk, Va., to Tompkinsville, N.Y.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	Air: Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, as in 10.	State of the Sea.
A. M.																		
1	6	2	32.3	N27°E	North	4			30.20	62	34	32	44	b.	—	—	0	S
2	6	5	38.8	"	NNE	4			30.20	64	33	32	43	bc.	S.	—	2	"
3	6	9	45.7	"	"	4			30.20	68	33	32	42	b.	—	—	0	"
4	4	8	50.5	N13°E	North	4			30.18	65	32	31	42	"	—	—	0	"
5	6	7	57.2	"	"	4			30.17	65	32	31	42	"	—	—	0	"
6	7	0	66.2	"	"	4			30.17	65	32	31	42	"	—	—	0	"
7	6	1	73.8	"	"	3			30.17	64	32	31	42	b.c.	cu.	—	3	"
8	7	4	81.2	"	"	3			30.19	62	32	31	42	"	"	—	3	"
9	5	8	87.0	North	NNW	3			30.21	60	35	34	44	b.c.m.	ci.	—	1	"
10	7	3	95.8	"	West	3			30.18	58	37	35	47	"	"	—	2	"
11	7	4	3.2	Various	"	3			30.15	56	38	37	48	"	"	—	2	"
Noon.	7	2	10.4	"	"	3			30.12	55	38	37	48	"	"	—	2	"

Position at 8 A. M.: Latitude by *bearings* 40° 13' 30" N — Magazine Temperatures
Longitude by " 73° 51' 0" W — Fore apt
Position at noon: Latitude by observation *bearings* 40° 30' 0" N — 65-64 — 62-61
Longitude by observation " 74° 3' 0" W
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: Various
Distance made good since preceding noon: 149 miles.
Distance by Log since preceding noon: 161.5 miles.
Current per hour: 0.5 miles, set S.W. true.

Position at 8 P. M.: Latitude by D.R. 40° 28' 0" N
Longitude by D.R. 73° 41' 0" W

Variation of compass:
Error of compass observed at
Deviation of compass on
Water expended during the preceding 24 hours, 350 gallons.
Water during the preceding 24 hours, "
Water remaining on hand fit for use at noon, 1250 "
Coal consumed during the preceding 24 hours, 13 tons, 1980 lbs.
Coal remaining on hand at noon, 133 " 160 "

Took in fuel by at 1 p.m. receiving 17.4 tons from Tompkinsville.

P. M.																		
1	7	2	17.4		West	3			30.07	55	38	37	49	bcm	ci.	—	2	S
2	*At anchor Tompkinsville, NY.*				South	2			30.04	54	35	37	48	"	"	—	7	"
3					SW.	1			30.02	55	38	36	48	"	"	SW	5	
4					SW by W.	1			30.00	52	38	36	48	"	"	"	5	
5				Various.	S.	3			30.00	52	38	36	48	"	S.	"	9	
6				"	"	4			29.98	52	38	36	48	"	"	"	9	
7 *Nov*			23.3	"	"	3			29.97	56	37	36	48	be	ci	"	8	8
8	6	9	30.2	S 80°E	"	3			29.95	57	38	36	48	"	"	"	8	"
9	6	8	37.	"	SE by E	4			29.84	59	38	36	48	"	"	S.	8	"
10	9	0	46.	"	"	4			29.93	61	39	37	48	ocp	ni.	"	10	"
11	9	0	55.	N 70°E	"	3			29.95	61	39	37	48	"	"	"	10	"
Mid.	7	5	62.5	"	"	3			29.97	59	39	37	48	"	"	"	10	"

under the command of Commander R. G. Davenport , U. S. Navy,

Monday January 14, 1901 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a m.

Fair to clear and cold. Moderate breeze from North and N.N.E. Steaming [illegible] Dt. was abeam dist. 6½ [illegible] Av. steam 53 Av. rev. 42.2

E. L. Beach. Lieut. U.S.N.

On course N 15° E. Under Sea Girt light bore on

F. F. Fahs
Lieut. U.S.N.

List of Men Received from "Vermont"

J. L. Cunningham	(Sea)	R. T. Fisher	(Sea)
E. F. Taylor	(Sea)	J. Anderson	(Sea)
J. J. Coffey	(Sea 2d)	C. Christensen	(Sea)
J. Connor	(Ship Wt)	W. G. Edwards	(Sea)
W. Ericson	(Sea)	M. Fitzgerald	(Lds)
H. Hachtman	(B.M. 3c)	A. Hansen	(Sea)
C. Hart	(2 M. 1c)	C. E. Hoffman	(Sea)
P. J. Harris	(Lds)	P. Man	(Sea)
J. Mulcahy	(Lds)	G. E. Schmidt	(Sea)
J. Tefloff	(Sea)	J. T. Potter	(Sea)
W. Ramsay	(G.M. 3c)	O. Sebert	(M.A. 2c)
H. Townsley	(Lds)	P. J. Walsh	(Lds)

E. L. Beach
Lieut. U.S.N.

Barometer falling. [illegible] on (Lds) were this dat [illegible] Jan. 4. F. D. Bailey (Lds) [illegible] is assigned punishments [illegible] J. Drummond, 2 M. 3 C, [illegible] appointment revoked and [illegible] labor on various courses. [illegible] here with her at 11.15. [illegible] steam 4 to 8 Av. rev. 42.9

Ralph Earle,
Ensign, U.S.N.

[illegible] ing in to anchorage [illegible] at anchor at 1.15 in [illegible] on U.S.S. Vermont; [illegible] the ship had received [illegible] ing men from the [illegible] E. Wright reported re- [illegible] duty. Distilled from [illegible] was issued to C. W. Young [illegible] on att)

[illegible] Lieut. U.S.N.

[illegible] to S. Barometer steady. [illegible] got under way standing [illegible] steam 53, Av. rev. 42

[illegible] Lieut. U.S.N.

[illegible] Steaming under three boilers, [illegible] spanker. At 708 took [illegible] bear. [illegible] 233 and set course S 80° E by Standard Compass.

Ensign N. Hayward
Lieutenant, U.S.N.

8 P.M. to Midnight. Overcast and cloudy. Fresh to moderate breeze from S.E. by E. Steaming with 3 boilers. Steaming S 80° E (p.s.c.) until 10:50 when Fire Island light vessel was on port beam distant 4½ miles when changed course to N.N.E. nothing to N.N. Sail set fore topmast staysail, jib, main trysail and spanker. Av. steam 53. Av. rev. 45.4

Examined and found to be correct.

E. L. Beach
Lieut. U.S.N.

E. F. Leiper
Lieut. Navigator.

4—205

under the command of Commander R. G. Davenport , U. S. Navy,

Monday January 14, 1901 ,1901 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair to clear and cold. Moderate breeze from North and N.W.C. Steaming
[illegible] Pt. Was abeam dist. 6½
[illegible] Av. steam 53 Av. rev. 43.2

[illegible] Lieut. U.S.N.

On course N 15° E. Under
Sea Girt Light bore on
[illegible]
Lieut U.S.N.

List of Men transferred to "Vermont"

J. S. Colburn (Mach 3c) J. Grady (B.M. 2c)
C. J. Bowen (CP) W. W. Crawford (B.M. 1c)
W. T. Merchant (S.M. M) O. L. Rush (Mach. 1c.)
J. Joy (B.M. 2c) H. W. Reed (Cox)
J. L. Bigham (Cox) S. Wheeton (S.C. 3cl)
G. Borgeson (Mach. 1c) W. L. Laird (B.M. 2c)
W. Lamb. (Ch. 2. M.) J. Corbsey (Ship Wright)

E. H. Brach
Lieut U.S.N.

Barometer falling.
[illegible] (Lds) were this dat
[illegible] am. 4. F. D. Bailey (Sds.)
[illegible] is assigned punishments
[illegible] J. Drummond, 2 M. 2 c,
[illegible] appointment revoked and
[illegible] abor on various courses.
[illegible] here with Lee at 11.15.
[illegible] beam 4.8 Av. rev. 42.9
Ralph Earle,
Ensign. U.S.N.

[illegible] ing in to anchorage
[illegible] t anchor at 1.15 w
[illegible] om U.S.R.S. Vermont,
[illegible] te ship had received
[illegible] ing men from the
[illegible] E. Wright reported Me-
[illegible] lety. Distilled from
[illegible] was issued to E. W. Young
[illegible] n all)
[illegible] h. Lieut. U.S.N.
[illegible] t S. Barometer steady.
[illegible] ot under way standing
[illegible] am 53, Av. rev 42
[illegible] Lieut. U.S.N.
[illegible] Steaming, under three boilers,
[illegible] spanker. At 708 took
[illegible] t bear[illegible] 233 and set
course S 80° E by Standard Compass.
Ralph N. Hayward
Lieutenant. U.S.N.

80 M to Midd. Overcast and cloudy, Seattle to moderate breeze from S E by E. Steaming with 3 boilers. Steaming S 80° E (p.s.c.) until 10:50 when Fire Island Light vessel was on port beam distant 4½ miles when changed course to N 70° E until to N.d. Said set fore topmast staysail, jib, main topsail and spanker. Av. steam 53. Av. rev. 45.4
Examined and found to be correct.

E. H. Brach
Lieut. U.S.N.

E. F. Leiper
Lieut. Navigator.

4-226

under the command of Commander R. G. Davenport, U. S. Navy,

Monday January 14, 1901, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Fair to clear and cold. Moderate breeze from North and W.N.W. Steaming with three boilers. Steering N 27° E until 3:35 a.m. when Barnegat Lt. Ho was abeam dist. 6½ miles, when changed course to N 15° E, nothing to N.d. port log 50.5. Av. steam 53 Av. rev. 43.2 Noon sun at 1:45 a.m.

E. L. Beach. Lieut. U.S.N.

4 a.m. to 8 a.m.

Fair and cold. Moderate to gentle breeze from North. On course N 15° E. Under steam on three boilers. At 6:10 sighted Sea Girt Light bore on port bow p.b. 69.4. Av. steam 53. Av. rev. 43.5

W. P. Parks
Lieut. U.S.N.

8 a.m. to Noon:

Hazy and cold. Gentle N.N.W.ly and Westerly airs. Barometer falling. At 9:00 a.m. mustered at quarters. P. Harris (Sdr) and E. Johnson (Sdr) were this date declared deserters, the former from Jan. 3 and the latter from Jan. 4. F. D. Bailey (Sdr) and John Johnson (Contraband) absentees. The Commanding Officer assigned punishments as follows: O. L. Burk, mach 1c, 15 hrs over leave, 4th class; W. J. Drummond, 2 M. 3c, careless and negligent in the performance of duty, acting appointment revoked and reduced to 3rd conduct class. Steaming in to New York Harbor on various courses. Passed U.S.S. Alabama outward bound and exchanged numbers with her at 11:15. At 9:40 made Scotland and Sandy Hook Light Vessels. Av. steam 47.8 Av. rev. 42.9

Ralph Earle,
Ensign, U.S.N.

Noon to 4 p.m.

Fair and cool. Gentle breezes from west and south. Steaming in to anchorage off Tompkinsville. Called all hands and anchored with port anchor at 1:15 in 8 fms. water, 30 fms. port chain. Received draft of men from U.S.B.S. Vermont. Also transferred to Vermont the draft of 56 men and boys the ship had received from U.S.S. Franklin for passage. Also transferred the following men from this ships crew to the Vermont (see appended list). Lieut. Comdr. F. E. Wright reported return from leave. Lieut. J. H. Hayward reported aboard for duty. Distilling from 1:15 to 4 when stopped. An acting appointment as B.M. 1st Cl. was issued to E. W. Young B.M. 2 cl. for six months from this date. Enlisted J. F. Pyatt. (Mus. 4th)

E. L. Beach. Lieut. U.S.N.

4 p.m. to 8 p.m. Fair and cold. Gentle to moderate breeze from S.W. by W. to S. Barometer steady. Making preparations to get under way. At 4:20 brought to chain and got under way steaming out of N.Y. Harbor under com. of Comdg. Officer and Navigator. Av. steam 53, Av. rev. 42

W. P. Parks Lieut. U.S.N.

8 p.m. to 8 p.m. Fair and cold. Gentle breezes from South. Barometer falling. Steaming under three boilers, until 7:30 when set jib, fore topmast staysail, main topsail and spanker. At 7:05 took departure from Sandy Hook Light Ship, distant about 300 yards on port beam p.b. 233 and set course S 80° E by Standard Compass.

Leap N. Hayward
Lieutenant, U.S.N.

8 p.m. to Noon. Overcast and cloudy. Gentle to moderate breeze from S.E. by E. Steaming with 3 boilers. Steering S 80° E (p.s.c.) until 10:50 when Fire Island Light vessel was on port beam distant 4½ miles when changed course to N 0° E nothing to N.d. Said set fore topmast staysail, jib, main topsail and spanker. Av. steam 52. Av. rev. 45.4

Examined and found to be correct.

E. L. Beach
Lieut. U.S.N.

E. T. Leiper
Lieut. Navigator.

4-355

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Tompkinsville to Newport, R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. attd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 to 10.	State of the Sea.
A. M.																		
1	7	5	70.	N N E	S W	4			29.90	61	39	37	48	O. C. M.	Cu. H.	S W	10	8
2	7	7	77.7	"	S S W	4			29.89	64	39	39	48	"	"	"	10	"
3	7	6	85.3	"	"	4			29.87	65	39	39	48	"	"	"	10	"
4	7	4	92.7	"	S S E	4			29.86	65	40	40	48	"	"	S	10	"
5	7	1	99.8	"	"	4			29.85	65	40	40	48	"	"	"	10	"
6	7	1	6.9	"	S E	4-5			29.84	65	41	41	48	"	"	"	10	"
7	7	7	14.6	"	S E	4-5			29.84	65	41	41	48	"	"	S E	10	"
8	7	7	22.3	"	"	4-5			29.84	65	42	41	48	"	"	"	10	"
9	1 6	4 1	23.7 29.8	N 4° E	S E by E	4			29.84	64	43	42	48	"	Cu. Fra. N.	S E by E	10	N.
10	7	7	37.5	"	"	4			29.85	61	43	42	48	"	"	"	10	"
11	8	0	45.5	"	"	4			29.85	60	43	42	48	"	"	"	10	"
Noon.	8 5	0 1	48.5 53.6	N 3° E	"	4			29.82	60	43	42	48	"	"	"	10	"

Position at 8 A. M. { Latitude by D. R. 40° 48' 20" N — Magazine Temperature
Longitude by D. R. 71° 45' 30" W — Ford. 64 - 68 — Eft. 63 - 61

Position at noon: { Latitude by observation Bearings 41° 13' 0" N
Longitude by observation " 71° 25' 0" W
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 132.7 miles.

Distance by Log since preceding noon: 145.3 miles.

Current per hour: 0.3 miles, set Easterly true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 1150 "

Coal consumed during the preceding 24 hours, 13 tons, 280 lbs.

Coal remaining on hand at noon, 119 " 2120 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. attd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 to 10.	State of the Sea.
P. M.																		
1	7	4	61.0	N 34° E	E N E	5			29.85	62	44	44	48	O. C. M.	Cu. H.	E	10	8
2	6	1 3	62.1 68.4	" N 15° E	"	4			29.86	66	42	42	48	O. C. d.	"	"	10	"
3				Various	"	5			29.87	70	40	40	48	"	"	"	10	"
4	Moored to buoy.				Calm.	0			29.89	72	41	40		"	"	"	10	
5				North	North	1			29.91	53	40	40		"	"	"	10	
6				"	"	1			29.91	50	38	40		O. C.	"	"	10	
7				N W	N E.	1			29.90	50	38	38		"	"	"	10	
8				"	"	1			29.93	51	39	39		"	"	"	10	
9				S by E	Calm	0			29.95	55	38	38		O. C. M.	Cl. S.		10	
10				S.	N N E	1			29.96	57	39	39		"	"		10	
11				S E	"	1			29.97	58	39	39		"	"		10	
Mid.				"	"	1			29.97	58	39	39		"	"		10	

4—345

under the command of Commander R. B. Davenport , U. S. Navy,

Tuesday, Jan 15th ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4A.M.

Overcast, cold and raining. Moderate SW'ly, backing to SSE'ly breeze. Barometer falling. At 2.55 p.l. 94.9 made Shinnecock light bearing N15°E. On course N74°E (p.s.c.) under steam and fore and aft sail. Log 93.7 at end of watch. Av. steam 81. Av. revs. 43.8

Ralph Earle,
Ensign. U.S.N.

4am to 8am.

Overcast, cold and raining. Thick towards end of watch. On course N70°E (p.s.c.). Under steam and fore and aft sail. At 4.16 Shinnecock Lt. bore abeam, p.l. (94.7). Barometer steady. Av. Steam 80.5. Av revs 42.9

J. B. Clapp
Lieut. USN.

8am to Noon.

Overcast and cold with occasional drizzling rains. Moderate breeze and very moderate sea from SE by E. Steaming under three boilers along south shore Long Island. Weathered Block Island and hove up for Brenton's Reef Light ship. Under fore and aft sail and the foresail, setting the foresail at 8.20. Changed course by Standard Compass as follows: At 9.13 to N43°E patent log reading 23.7; at 11.27 to N34°E patent log reading 48.5. At end of watch Point Judith Light is in sight bearing due North by Standard Compass. S. Watanabe (W. K. Cook) was released from confinement, his confinement being expired. Absent without leave John J. Ryan (Coxswain) and F. D. Bailey (Cox.)

George N. Hayward,
Lieutenant. USN.

Noon to 4 P.M.

Overcast, misty, light drizzling rain. Moderate to gentle breezes from ENE and calm. Barometer rising. Steaming under three boilers and under fore and aft sail and foresail. On course N34°E. At 1.03 p.m. p.l. 62.1 headed for Brenton Reef Light vessel and altered various courses under command of Captain entering harbor of Newport. At 2 p.m. passed light ship and took in sail. At 2.30 hauled in pat. log off Fort Adams reading 71.3. At 2.38 exchanged numbers with U.S.S. Constellation and obtained permission to moor to buoy. At 2.40 anchored in 7 fms water 30 fms. port chain. At 2.45 hove up port anchor and moored to buoy. Let fires die out under two boilers and began to discharge with A boiler.

E. L. Beach Lieut. USN.

4 to 6 p.m.

Overcast and cloudy with drizzling rain first hour. Light North'ly airs. Barometer rose slightly. Discharging using boiler A. Completed evening and making ship ready for port. J. Lawton (C.P.) was rated fireman 2nd class from Jan. 15, 1901. Asst. Surgeon G. T. Freeman and Lieut. E. L. Beach left the ship on two days leave. The Captain called officially on the Commandant of the Training Station.

Ralph Earle,
Ensign. USN.

6 to 8 p.m. Overcast and cloudy. Light airs from North to NE. Barometer falling slowly.

W. B. Wynn
Lieutenant, USN

8 P.M. to Midnight: Overcast, cool and damp. Calms and light airs from NNE. Barometer rising slowly. Steam in A boiler. Discharging. At 8.35 began to ~~[illegible]~~ to port and moored at 9.05

George N. Hayward,
Lieut. USN

Examined and found to be correct.

E. F. Leeper.
Lieut. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex Rate,

Inward bound to buoy Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb	Air, Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				S. E.	E. S. E	1-2			29.79	57	41	41		Acd	cum		10	
2				E. S. E	"	1-2			29.87	57	41	41		"	"		10	
3				"	"	2			29.86	56	41	41		b.c.	cu		7	
4				"	"	2-3			29.96	56	40	40		"	"		3	
5				"	"	1			29.95	56	40	40		"	"		3	
6				E. by. E	"	1			29.95	56	40	40		o.c.	"		10	
7				S. S. E		1			29.95	56	42	42		"	"		10	
8					S. S. E	2			29.95	57	43			"	C.S		10	
9	Head tide			S by E	"	3			29.97	52	44			"	"		10	
10	"	"			S. by. E.	3			29.94	52	45			"	"		10	
11	"	"		"	"	3			29.87	51	48			"	"		10	
Noon.	"	"		"	"	3			29.84	51	46			b.c.			10	

Position at 8 A. M. { Latitude by ° ′ ″ Mar. Temperatures
Longitude by ° ′ ″ Fwd Aft.
64-62 62-61

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon: Coast

Distance made good since preceding noon: 16 miles.

Distance by Log since preceding noon: 14.8 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 118 " 1360 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb	Air, Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				South	S. by. E	4	—	—	29.79	53	47	46	—	bc	a.s	Sw	8	
2				S. by. E	"	4	—	—	29.75	53	47	46	—	"	"	"	7	
3				"	"	4-5	—	—	29.72	53	47	46	—	"	"	"	8	
4				"	"	5	—	—	29.67	56	47	46	—	"	"	"	9	
5				South	S. S. E.	5	—	—	29.65	56	47	47		Be m	b.w.S	S	8	
6				S. S. W.	South	5-6	—	—	29.66	60	47	47		"	"	"	7	
7	Ebb tide			"	S. by. W	4-5	—	—	29.65	65	47	47		O.C. m	C. S	"	10	
8				W. S. W.	S. W. by. S	4-5	—	—	29.65	68	48	48		bcm	C.	—	5	
9				S. W. by. W	W. S. W.	3-4	—	—	29.67	60	46	48		bc	—	—	1	
10				S. W. S	"	2	—	—	29.67	59	44	44		b	—	—	0	
11				S. W.	"	1	—	—	29.66	59	43	43		"	—	—	0	
Mid.				"	"	2	—	—	29.66	57	43	42		"	—	—	0	

Anch'd (to Buoy)

4-24

under the command of Commander R. G. Harrison, U. S. Navy,

Wednesday, January 16, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and entld. 4 a.m. Generally overcast & cloudy and cold. Light airs & gentle breezes from E. S.E. Barometer fell slightly. Distilling

Ralph Earle,
Ensign, U.S.N.

4am. to 8am.

Overcast and cloudy. Light airs from SSE to South. Barometer steady. Distilling

F. W. Baker
Lieut. U.S.N.

8am. to Meridl.

Overcast, cloudy, and chilly with sun shown last hour. Gentle breezes from SSE hauling to Sly E. Barometer falling. Ship riding & flood tide. The Morris steamed up the bay and returned. At 10:30 mustered the hands. About without leave John Johnson (boilermaker) and F. D. Baily (Landsman). The Captain paid a visit of ceremony on the Commandant of the War College. Cleaning ship and [illegible] up the goods. Distilling

George A. Hayward
Lieut. U.S.N.

Merid. to 4p.m.

Generally cloudy, hazy and raw. Moderate & stiff Sly Ely breezes Barometer falling. Distilling. The Captain called officially on the Commandant of the Torpedo Station. Received from U.S.S. Constellation with bags, hammocks and transfer papers John Kelly, S.C. 4 Cl., and John F. Kane (Cls) Held an auction sale of effects of T. Barnett (Sea), E.H. Thornette (yes. 3 Cl), R.D. Bjork (Cls) L. Mannix (Y. 1 Cl), R. Hines (Cls) and E. Johnson (Cls) deserters.

Ralph Earle,
Ensign, U.S.N.

4 to 6 pm.

Fair and cold. Stiff SSEly to Sly. breezes. Barometer unsteady. Distilling. Wm. Johnson (Mess att.) was this day discharged from the Naval Service as undesirable, by order of the Bureau of Navigation

W. L. Howe
Lieutenant, U.S.N.

6pm to 8 Pm

Cloudy and cool. Moderate breezes in stiff squalls hauling from Sly W. to SW by S. Barometer steady. Steam in boilers. [illegible]
to ebb tide.

George A. Hayward
Lieut. U.S.N.

8pm to Midnight.

Clear and cool. Moderate breezes to light airs from WSW. Barometer falling slowly. Distilling.

Ralph Earle,
Ensign. U.S.N.

Examined and found to be correct.

P. F. Leeper,
Lieut. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to Bay Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Items.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				S. W.	S. W.	2			29.66	52	42	42		b.c.w	bs	Nim	2	
2				"	"	2			29.66	52	42	42		b.w	Nims	"	"	
3				West	West	2			29.67	51	41	41		"	"	"	"	
4				W.N.W.	"	2.			29.68	51	40	40		b.c.w	bcS	"	4	
5	Ebbtide			W	Calm	0			29.69	52	40	40		"	"	"	9	
6				N.W.	West	1			29.70	52	40	40		o.c.w	bu	"	10	
7				"	"	1			29.71	52	40	40		"	"	"	10	
8				"	"	1			29.73	53	41	39		b.c.w.	"	"	9	
9				W.S.W.	W.S.W.	1			29.75	51	41	40		b.c.w	bcS	"	8	
10				"	"	1			29.78	51	41	40		"	"	"	8	
11				"	"	2			29.78	52	42	41		"	DcS	"	7	
Noon.				"	"	2			29.72	50	42	42		o.c.w	bcS	"	10	

Position at 8 A. M. { Latitude by ° ' " Mag Temperatures
Longitude by ° ' " Port & Starb.

Position at noon: { Latitude by observation ° ' " 64-62 62-61
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water Distilled during the preceding 24 hours, 1130 "

Water remaining on hand fit for use at noon, 2880 "

Coal consumed during the preceding 24 hours, 1 tons, 2115 lbs.

Coal remaining on hand at noon, 116 " 1485 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Items.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1				S. W.	W. S. W.	2			29.70	50	42	42		a.c.w	bcS	"	10	
2				"	"	1.2			29.70	50	42	42		"	"	"	10	
3				S.W. W	"	1			29.70	50	42	42		"	"	"	10	
4				W. W.	"	1			29.69	51	41	41		"	"	"	10	
5	Ebbtide			"	W. W. W	1			29.68	51	41	41		"	"	"	10	
6				W	W. W	1			29.67	49	40	40		o.c.s	bcW	"	10	
7				W by W.	"	1			29.64	49	37	37		o.c.S	"	"	10	
8				W	"	1			29.63	47	36	35		"	"	"	10	
9				"	"	1			29.60	47	35	35		"	"	"	10	
10				W. W. by W.	"	2			29.60	48	35	35		"	"	"	10	
11				W	"	1.4			29.58	47	35	35		"	"	"	10	
Mid.				"	"	4			29.56	47	35	35		"	"	"	10	

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday January 17, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm

Essex Draft

Allen J. H.
Anderson A.
Adams A.
Anderson E.
Annis G.
Bogart B.
Bowcher B. S.
Bailey H. H.
Burke M. J.
Budlong J. S.
Baker L. D.
Brown W. S.
Boyd L.
Browning J.
Baker J. A.
Bradley T. J.
Brewer T. A.
Buchanan A.
Barnes A. J.
Bernard H.
Canning J. A.
Corcoran M.
Closson H. E.
Coady E.
Carlton J. C.
Cook T.
Clark S. M.
Closson J. D.

Delehanty W. S.
Davis J. B.
Duerst W. L. C.
Dickinson W. V.
Duncan G. G.
Davenport B.
Russell J. A.
Elliot C. H.
Ennis A. L.
Eberlin H.
Eckert G.
Englebay G.
Fowler R. A.
French L. D.
Fleisch H.
Fostel G.
Frommer L.
Faschen E. A.
Fox D. A.
Fisher A.
Frank G.
Flaherty J. J.
Gibson J.
Glick J.
George L. E.
Gold J.
Gamble J. H.
Gorry J. F.
Gehrlein A.
Graham L. L.
Goodman H. L.

Lieut. U.S.N.

Lieut. U.S.N.

Reed Earle
Ensign U.S.N.

Reed Earle
Ensign U.S.N.

Lieut. U.S.N.

8 pm to Midnight
Overcast and Storming, snowing Light airs & moderate breezes from W. by W.
Bar. falling.

R. Taber
Lieut U.S.N.

Examined and found to be correct.

C. F. Leifer
Lieut Navigator.

4—266

under the command of Commander R. P. Davenport, U. S. Navy,

Thursday January 17, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm
Clear and cold Light breeze from S.W. & W. Barometer ranges steadily
R. P. Leffler
Lieut USN

Essex Draft

Lucas J. H.
Lenergan J.
Lettenville P. S.
Lundquist B. S.
Landis J. E.
Landry P. J.
Little S. J.
Lowrey R. R.
Lester H. H.
McCracken E. H.
Mahon E. J.
Manning J. E.
McGrath D. E.
Maguire E. S.
Murphy H. A.
Murphy J. A.
Martinson E.
Mayerus H. P.
Minchini J.
McAllister F. J.
McDowell J.
McRae J.
Magelton H.
McLaren J.
Mackey

Glothart E. A.
Hoffman F.
Holland R. N.
Hagmaier W. J.
Hayes D. F.
Hamilton A.
Hemple J.
Hedrick J. A.
Horn A. J.
Hobson A. J.
F.
Hoey
Hoyer A.
Heim C.
Jones E. H.
Jack D.
Kane J. D.
Kelly J.
Kromoler F. A.
Lipp J.
Klubal H.
Kelley E. R.
Daly R. P.

Barometer
Pyrometer
Stellation
Stores
Staff
Appendices to
Lieut USN.

N. by W. Barometer
Moderate & squalls
N. Haywood
Lieut. USN

Reed Earle
Ensign USN.

8 pm to Midnight
Overcast and Stormy, Light airs & moderate breeze from W. by W.
Bar. falling.
R. Lester
Lieut USN.

Examined and found to be correct.

R. P. Leffler
Lieut Navigator.

4—266

under the command of Commander R. J. Davenport, U. S. Navy,

Thursday January 17, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm
Clear and cold Light breeze from S.W. to W. Barometer 29.970 steady

R. F. Leffler
Lieut USN

Essex Dept.

Murphy J.
Murphy M M
McCarthy D
Nealy J A
Nelson J F
Neall A L
Osman P M
Owens E
Preston E R
Potter W. H.
Pepperman H M
Pratt J E
Phibbs R
Paradis C P
Pidgeon C B
Phelan F
Pangburn A.
Rettig G J
Raw R
Rehbifeld G
Ross E C
Regle H H
Rothchild L F
Reichel E C
Richardson J R
Simmons J.
Spangler J F
Strever H
Stelzer
Steele J E
Seefert H
Spaeter G M
Steele D J
Solomon F F
Stenchouse W L
Stenchouse W H B
Stocking J R
Smith J E
Sanders J
Sweydam A G
Schneider A W
Small B L
Thibodeaux M E
Turner W J
Trapers C A
Taylor J P
Trueblood R R
Uhlen J J
Ulrich A
Vandekreuvelt W A

Wind Barometer
grounds of head
lights
Haywa
Lieut USN

ion began to fall
the Harbor Colley
ds as follows
absent sight
boys 4 class
in apartment
to fender ss
to sewer pipes
ed and stand
boys and
gear
Rolph Earle
Ensign USN

Barometer
ary papers
R S Constellation
ing Stores
and Staff
ding Appendices to
is duty
Lieut USN

N by W Barometer
Moistened & quarters
Haywa
Lieut USN

Rolph Earle
Ensign USN

8 pm to Midnight
Overcast and Storming, snowing Light airs & moderate breeze from W. by W.
Bar. falling.

R. Leffler
Lieut USN.

Examined and found to be correct.

F. F. Leffler
Lieut Navigator.

4—266

under the command of Commander R. J. Davenport, U. S. Navy,

Thursday January 17, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm
Clear and cold Light breezes from S.W. & W. Barometer rising steadily
Distilling
E. F. Leffler
Lieut U.S.N.

4 pm to 8 pm
Cloudy, cool and damp. Edgar and light airs from the W. Barometer rising. Exhibit Ship in dock water distilling. Received on board 6 pounds of beef
Essex Draft.
Williams C. A.
Whalen D. W.
Wickwire S. F.
Weigert F.
Watkins W. F.
Wagner L. F.
Walling F. J.
Wren W. J.
Westerberg J. F.
Wilson D. G. C.
Wilson G. B.
Wilson E. C.
Yordt J.
Edgerly C. E.
Loesser P. H.
Lipscas A.
F. Haywa
Lieut USN
Clear began to fall
the Hose Colley
Gas as follows
aboard eight
boys 4 class
in equipment
to tender ss
to secure guns
d and stand
boys and
gear
Rosa Earle.
Ensign USN
Barometer
ary papers
R.S. Constellation
ng Stores
Small Stuff
ding Appendices to
is duty
Lieut USN.
4 M. by W. Barometer
Received 2 quarters
Gunners
Geo. F. Haywa
Lieut. U.S.N.
Rosa Earle
Ensign USN.
Lieut USN.
Examined and found to be correct.
E. F. Leffler
Lieut Navigator.

4—355

under the command of Commander R. H. Davenport, U. S. Navy,

Thursday January 17, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm
Clear and cold Light breezes from N. & W. Barometer 30.00 Steady
Distilling
F. F. Leffler
Lieut U.S.N.

4 pm to 8 pm
Cloudy, cool and damp Calms and light airs from the West. Barometer rising Distilled Ship in dock water Distilling Received on pay roll 55 pounds of bread and 68 # of vegetables and of boy Johan Johnson, Interpreter, discharged at 7.30 pm this day absent without leave
George N. Hayward
Lieut USN

8 am to Meridian
Cloudy and rain Light N. & W. & W. by airs and breezes Barometer began to fall at 9.30 mustered crew, absentee: P. D. Bailey Lds The commandant of the Naval College returned the call of the Captain The Captain assigned punishments as follows Johan Johnson having ship without permission and remaining absent on liberty 4th class for 6 months & Ward Comic Rounds on board ship 4 class P. P. Bailey deck mess overstaying leave 24 hours 4th class Received in equipment department from the Store of Manning station following stores 1 cork fender 35 regular plates 5 lbs tea wax 25 sail needles 5 sail hooks 12 schackle sewing pins 1 compositor 2 cups breakfast plates small disk 2 plates B & B. 1 grass boat and stand 3 tiffin glasses 3 claret glasses no 2. 1 tea spoon 1 salt spoon Received 175 hogs and hammocks from Manning Station Setting provisions aboard and [illegible] off gear
Roger Earle
Ensign USN

Moored to 4 pm
Cloudy and cool Light breezes to light airs from N. & W. Barometer Steady At 1 45 a draft of apprentices 3 C class came aboard with necessary papers [as per list apprentices] F. H. Downing Lds received aboard from U.S.R.S. Constellation with necessary papers and bag and hammock Received in Navy Stores 2 Nyp log lines 3 inch 10 fathom hand lead lines 18 lb. 2 lb Nyp hollands Stuff Received in Equip Stores 10 balls of cotton sewing twine, Detailing Apprentices to their duties and stations. Lieut F. H. Brown U.S.N. reported for duty
F. F. Leffler Lieut U.S.N.

4 to 6 pm
Cloudy and cool with rain last hour Light air from N. by W. Barometer falling Steam in d boiler. Stopped distilling at 5 pm Mustered crew & quarters absent without leave P. D. Bailey Lds. Mustered boys Gunners [illegible]
George N. Hayward
Lieut. U.S.N.

6 to 8 pm
Overcast and cloudy with snow Light N by W airs Barometer falling
Roger Earle
Ensign USN.

8 pm to Midnight
Overcast and Storming snowing Light airs & moderate breezes from N. by W. Barometer falling
R. Tabor
Lieut USN.

Examined and found to be correct.

F. F. Leffler
Lieut Navigator.

4—356

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Moored to buoy off Newport R.I.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb	Air. Wet Bulb	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, as 0 to 10.	State of the Sea.
A. M.															Cu S.			
1				N. W.	N. by W.	45	;	.	29.54	58	36	34		0. c. g.	Cu N.	-	10	
2				"	"	45	.	.	29.52	58	34	34		-	"	"	10	
3				W.	W.	45	.	.	29.49	58	33	33		0. c. m. g	"	"	10	
4				N. W.	"	45	..	..	29.47	58	33	33		-	Cu S.	-	10	
5				W. N. W.	"	3	..	..	29.47	57	32	32		0. C	Cu N.	-	10	
6				"	W. N. W.	3	..	..	29.47	58	32	32		-	"	"	10	
7				"	"	3	..	..	29.47	58	32	32		b. c	Cu	-	8	
8				N. W.	"	3	.	..	29.49	58	32	31		-	"	"	7	
9				"	N. W.	4	..	..	29.52	58	30	30		"	Cu S. Cu N.		8	
10				"	"	5	..	..	29.52	58	30	28		"	"	"	8	
11				W. N. W.	"	6	.	..	29.52	48	29	28		"	"	"	6	
Noon.				"	"	6	..	..	29.50	44	28	28		"	"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″ — *Mess Temperatures* — *Good. Off.*

Position at noon: Latitude by observation 0-1 ° ′ ″ *62-61* *62-60*

Longitude by observation 5-4 ° ′ ″

Latitude by D. R. 4-5 ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *400* gallons.

Water *Distilled* during the preceding 24 hours, *350* "

Water remaining on hand fit for use at noon, *2750* "

Coal consumed during the preceding 24 hours, tons, *1350* lbs.

Coal remaining on hand at noon, *116* " *135* "

P. M.														
1	W. N. W.	W. N. W.	6	29.63	44	25	24	bc.	bu	NW	8			
2	"	"	6	29.66	44	24	22	"	"	"	8			
3	"	N. W.	67	29.69	43	22	21	bc. g.	bu	-	5			
4	N. W.	"	67	29.71	45	21	20	"	"	"	4			
5	"	"	67	29.74	43	19	19	"	"	"	4			
6	"	"	67	29.77	45	19	19	"	"	"	3			
7	"	"	67	29.82	44	17	17	"	"	"	3			
8	"	"	67	29.87	46	15	15	"	"	"	2			
9	N by W	"	7	29.91	45	15	14	b	None	"				
10	"	"	6	29.95	43	12	11	"	"	"				
11	"	"	66	29.98	42	12	12	bg	"	"				
Mid.	W.	"	54	29.99	41	11	11	"	"	"				

4-26

under the command of Commander R. J. Davenport, U. S. Navy,

Friday January 14, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 pm.
Overcast, Cold with light air moderate breezes from N by W, hauling to North, with stiff squalls. Barometer falling. Steam ~~in the Basin~~
George A. Hayward
Lieut USN.

4 to 8 am.
Overcast. Clearing last hour. Cold. Gentle North by W NW by W. Barometer Steady. Did not send ~~apprentices over~~ mustered on account of inclement weather. Received in ~~Pay Dept~~ 188 lbs fresh bread and 23 ~~1/2~~ pack of meat and 23 ~~1/2~~ of vegetables.
Ralph Earle
Ensign USN.

8 am to Meridian.
Partly cloudy and cold. Moderate to fresh breezes from NW. Barometer steady. At 9.30 ~~mustered~~ and inspected at quarters. Stationed apprentices at guns and fire quarters. At 10.45 ~~sounded~~ secured drill call and at 10.50 went to fire quarters. Issued ~~black~~ bags to apprentices. The Comdg Officer received an official visit from the Inspector of Ordnance in charge of the Torpedo Station.
F. H. Brown
Lieut USN.

Noon to 4 pm.
Clear and cold. Fresh breezes from NW to NW by W. At 1.15 mustered and Stationed ~~at~~ ~~sounding~~ boats crews. Barometer Rising. Serving out warm clothes to all apprentices.
W. S. Parker
Lieut USN.

4 to 8 pm.
Partly cloudy and cold. Fresh breezes from NW. Barometer rising. ~~Finished~~ serving out oil skins to apprentices. A boat hook was lost from the Steam Launch.
F. H. Brown
Lieut USN.

8 pm to Midnight
Clear and cold. Fresh breezes from NW. Moderating at end watch. Barometer rising.
W. S. Parker
Lieut USN.

Examined and found to be correct.

F. F. Lesher
Lt.
Navigator.

4—205

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Moored to buoy off Newport. R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.															C.S.			
1				West	N. W.	3			30.06	47	11	11		bc	Cu.	.	2	
2				"	"	3			30.01	47	11	11		"	"	.	2	
3				"	"	3			30.02	47	12	12		"	"	.	3	
4				W by S.	W. N. W.	3			30.03	49	12	12		"	"	.	4	
5				"	"	1			30.02	49	12	12		"	"	.	5	
6				"	"	1			30.04	49	13	13		"	"	.	4	
7				N by W.	"	1			30.06	49	15	15		C.C.S.	N.	.	10	
8				"	"	1			30.07	49	16	16		"	"	.	10	
9				"	N. E	2			30.10	54	19	19		"	"	.	10	
10				N. N. E	N. N. E	2			30.10	54	18	18		"	"		10	
11				"	"	2-3			30.08	54	17	17		"	"		10	
Noon.				"	"	3-4			30.7	54	16	16		"	"		10	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temperatures
Longitude by ° ′ ″ Fred. 64-63 Aft. 62-61

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 4.50 gallons.

Water —— during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 2300. "

Coal consumed during the preceding 24 hours, tons, 1775 lbs.

Coal remaining on hand at noon, 115 " 600 "

P. M.																		
1				N. N. E	N. N. E	5	=	"	30.11	56	10	10		C.C.S.	N.	.	10	
2				N by E	N by E	5	=	"	30.17	57	8	9		"	"	.	10	
3				"	"	5	.	.	30.23	57	12	12		C.C.S	Cu.	.	10	
4				N.	N.	5	.	.	30.28	57	12	12		C. C.	"	.	7	
5				N. N. W.	N by W.	5	.	.	30.38	58	11	11		B.C.M.	Cu.S.	M.	4	
6				N. W. N.	N. W.	5.6	.	.	30.46	58	10	10		Bc.g	Cu.	.	2	
7				"	"	4.5	.	.	30.50	56	9	9		"	"	.	2	
8				"	"	5.6	.	.	30.55	55	5	5			Ci.	.	1	
9				N. W.	"	5	.	.	30.58	55	6	5		C.C.M.	Ci.	.	1	
10				W. N. W.	N. W by N.	5	.	.	30.63	55	5	5		C.	None	"	0	
11				"	W. N. W.	4	.	.	30.67	54	3	3		"	"	"	0	
Mid.				"	"	4	.	.	30.69	53	2	2		"	"	"	0	

under the command of Commander R G Davenport , U. S. Navy,

Saturday January 18 ,1901 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 am

Fair and cold. Light breezes from N.W. backing to W.N.W. Barometer rising. Steam on ~~4~~ 6 boilers.

Geo. N. Hayward
Lieut. U.S.N.

4 to 8 am

Partly cloudy first half. Overcast later half. Cold. Light snow latter part of watch. Barometer rising. Light airs from W.N.W. Received in pay Dept 185 lbs fresh bread and 2 3/12 lbs each fresh meat and vegetables. The following men from the N.S.R.S. Desmond reported on board. J. Wicks Ships cook 1 class 6 F. Reed ships cook 2nd class. J. F. Ayers ships cook 2nd class. David Collins ships cook 2nd class. ~~1~~ Wilson Seaman ~~1~~ & R. Elias Seaman Thomas Moore Seaman and L. V. Dorgerty Hospital stpp 2 class.

F. H. Brown,
Lieut. U.S.N.

8 to Meridian

Hazy and overcast. Cold. At 1030 commenced sweeping. Light N.E. by E. Breeze to moderate breeze from N.N.E. Barometer falling slowly. At 930 went to quarters for muster. Absentee F. D. Bailey. Lds. Went to general quarters at 945 Manning and unshipping ~~2~~ 3rd crew. Secured at 1025. At 1045 went to fire quarters, followed by drill at ~~admiralty~~ ships at 1058 secured. The commandant of the U.S. Training Station paid an official visit to the Commanding officer. Receiving appropriate side honors. Received aboard bags and hammocks of draft of men that reported aboard in the morning watch. Samuel Sutton enlisted as ~~Lds~~ Ord. Sea. 4 years.

W. Coffin
Lieut. U.S.N.

Meridian to 4 pm

Overcast to cloudy cold with snow first three hours and with haze rising from the surface. Stiff breezes from N.N.E. shifting to North and falling to moderate breeze with stiff squalls. Received in Pay Department 580 lbs of bread and 258 1/2 of vegetables and ~~2~~ 4 Quarts. Received in Equipment 4 boatswain's calls, 1 mail bag, and 1 plate for mail bag. Received from training station with effects and necessary papers J. L. Hafer stpp 3rd class.

Geo. N. Hayward Lieut. U.S.N.

4 to 8 pm.

Partly cloudy to clearing. Stiff to fresh breeze from W. by W. to N.W. Barometer rising.

W. L. Coffin
Lieut. U.S.N.

8 pm to midnight

Clear and very cold with storm near surface. Stiff breeze from N.W. falling to moderate breezes and veering to W.N.W. Barometer very high and rising. Ship riding to wind.

Geo. N. Hayward
Lieut. U.S.N.

Examined and found to be correct.

F. F. Lester
Lt.
Navigator.

4—966

LOG of the UNITED STATES *Training Ship Essex* **Rate,**

Moored to buoy off Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, sublevels.	State of the Sea.
A. M.																		
1				N.N.W.	North.	5-6			30.71	51	2	2		B.q		None.		
2				N.N.W.	"	5-6			30.72	51	2	2		"		"		
3				N.W.	"	4-5			30.73	48	2	1		"		"		
4				N.W. by W.	N.N.W.	5-6			30.75	49	2	0		"		"		
5				"	"	3-5			30.73	49	2	0		"		"		
6				"	"	2			30.73	50	2	0		b		"		
7				N.W.	"	2			30.73	50	4	2		bc.	bc	"	2	
8				"	"	2			30.73	50	4	3		"	"	"	2	
9				N.W. by W.	N.N.W.	4			30.75	52	7	5		bc.m.	bc.u.	"	4	
10				W.	"	3			30.77	56	10	8		"	"	"	4	
11				W. by S.	West	3			30.72	54	16	15		"	bc.S.	"	6	
Noon.				W.S.W.	"	4			30.66	60	18	17		"	bc.S.	N.W.	8	

Position at 8 A. M. { Latitude by ° ' " *Max. Temperature.*
Longitude by ° ' " *Fresh. Diff.*

Position at noon: { Latitude by observation ° ' " *63-62* *63-62.*
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *500* gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, *1800* "

Coal consumed during the preceding 24 hours, tons, *1520* lbs.

Coal remaining on hand at noon, *114* " *1320* "

P. M.																		
1				W.S.W.	West.	3-4			30.61	40	20	20		Bc. S.	bcS		8	
2				"	"	4-5			30.57	42	22	22		"	"		8	
3				S.W. by W.	W.S.W.	5-6			30.52	41	24	24		bc q.	bc.bu.		5	
4				"	"	5-6			30.50	42	26	26		"	"		7	
5				S.W. by W.	S.W. by W.	6-7			30.44	46	30	29		bc.q.	bc.S.	snq	7	
6				"	"	5-6			30.40	47	31	30		"	"	"	7	
7				"	"	6-7			30.40	53	34	32		"	"	"	8	
8				"	"	6-7			30.40	61	35	33		"	"	"	8	
9				W.S.W.	W. by S.	6-7			30.38	63	33	32		"	bc.S.	"	8	
10				"	"	6-7			30.37	65	33	32		"	"	"	5	
11				"	"	6-7			30.36	64	35	34		"	"	"	3	
Mid.				"	"	6-7			30.34	64	35	34		"	"	"	2	

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday January 20, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 am.
Clear and cold. Fresh breze from north to N.N.W.

E.L.Beach.
Lieut U.S.N.

4 to 8
Clear and very cold. Fresh to gentle breze from N.N.W. to N.W. Barometer steady

W.L.Barron
Ens U.S.N.

8 am to Meridian
Fair and very cold. Moderate to gentle breezes from N.N.W. veering to West. Barometer extremely high rested to and then falling rapidly. J.D.Bailey, Landsman is this day declared a deserter from the 20th instant. At 9.30 muster at quarters for inspection and then had General Muster. Steam in the [illegible]

Geo N. Hayward, Lieut.

Meridian to 4 pm
Clear and cold. Moderate to fresh breze from west to W.S.W. Barometer falling.

E.L.Beach
Lieut U.S.N.

4 to 8 pm.
Cloudy and not so cold. Stiff breezes from S.W. by W in fresh squalls and increasing to fresh breze with fresh squalls. Barometer lower and nearly steady. Short rough sea. At 6.30 sent the steam launch in to training station for the night. At Steam launch broke down near the ship and our launch towed her in to the Training Station. Steam in all boilers. Put on extra chain stoppers.

Geo N. Hayward
Lieut U.S.N.

8 pm to Midnight
General cloudy and cool. Fresh breezes from W. by S with occasional fresh squalls. Barometer Steady. Started fire in boilers C and D at 12.

E.L.Beach.
Lieut. U.S.N.

Examined and found to be correct.

C.F.Lester
Ens

Navigator.

4—956

LOG of the UNITED STATES Training Ship Essex **Rate,**

Moored to buoy Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				S.W.by W.	S.W. by W.	6.7	.	.	30.32	65	36	34		hz. q.	hi	W.	2	
2				"	"	6.7	.	.	30.31	66	36	34		"	"	"	1	
3				"	"	6.7	.	.	30.30	67	37	35		"	"	"	1	
4				"	"	6.7	.	.	30.29	69	37	36		"	"	"	1	
5				"	"	7	.	.	30.29	69	37	36		b	None	.	0	
6				W.S.W.	W.S.W.	7	.	.	30.28	69	38	36		"	"	"	0	
7				W.S.W.	"	5	.	.	30.22	70	39	38		b.c.	b.d	N.W.	4	
8				"	"	4	.	.	30.20	70	41	39		"	"	"	4	
9				"	"	4.5	.	.	30.19	64	42	40		"	"	"	5	
10				"	"	4.5	.	.	30.16	48	42	40		"	"	"	7	
11				"	"	4.5	.	.	30.13	47	42	40		"	"	"	8	
Noon.				S.W.by W.	S.W. by W.	4.5	.	.	30.9	49	42	40		"	"	"	9	

Position at 8 A. M.: Latitude by ° ' " Mag. Temperature -
Longitude by ° ' " Fresh Nly.

Position at noon: Latitude by observation ° ' " 64-68 68-62
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 6.00 gallons.

Water distilled during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 6200. "

Coal consumed during the preceding 24 hours, 1 tons, 1825 lbs.

Coal remaining on hand at noon, 112 " 1735 "

P. M.													
1			S.W.	W.S.W.	5		30.07	57	41	39	Pc.M.	b.d	8
2			S.W.by W.	"	5		30.04	50	41	39	"	b.d	9
3			"	"	5		30.01	49	41	39	"	"	9
4			S.W.	"	5		30.01	48	43	40		b.d	7
5			"	"	6		30.00	52	42	41	C.f.m.	"	10
6			W.S.W.	"	4.5		30.01	50	42	41	b.c.m.	"	5
7			"	"	3.4		30.03	51	41	41	"	"	5
8			W.	"	3.4		30.04	51	41	41	"	"	8
9			W.N.W.	W.	4		30.06	52	41	41	b.c.m.	Smo.	10
10			W.		4		30.05	57	41	41	b.c.m.S.	"	10
11			W.S.W.	W.S.W.	4.5		30.05	60	42	42	O.c.g.d.	"	10
Mid.			"	"	5		30.04	61	42	42	O.c.d.	"	10

under the command of Commander R. G. Davenport , U. S. Navy,

Monday January 2 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm
Clear and cold. Fresh S W by W fly breezes blowing in heavy squalls Barometer falling. Steam in boilers A. B. and D. Engines ready for use at 3:00.

Ralph Earle,
Ensign

4 to 8 am.
Fair and cool. Fresh breeze from S. W. by W hauling to S. W. by W. and falling to moderate breeze. Barometer falling. Sea not rough. Steam in A. B. and D. Boilers. Steam Launch came off at 7.15 Boys were not sent aloft owing to darkness and coldness.

George N. Hayward
Lieut U. S. N.

8 am to Noon
Generally cloudy. Moderate to stiff breeze from N. E. by N. to S. W. by W. Barometer falling. Steam in boilers A. B. D. Commenced drilling at 9.30 Went to quarters at 9.30 stationed crew and apprentices at sup and down topgallant and royal yards and topgallant masts. Then received them at those stations. Sent light sails. Fresh provisions received on pay department 200 lbs Bread 200 lbs fresh meat 250 lbs of vegetables.

E. A. Beach
Lieut U. S. N.

Meridian to 4
Cloudy and rainy. Stiff W. S. W. by breeze. Barometer falling. Sent flying jib. From 1:15 to 2:30 exercised at and stationed crew at, loosing furling, making, shaking, sail, etc. Sent main topmast staysail. Received in ordnance depts from Gen. Store, Lyceum Station - 21 Pds gun covers, 42" training pads, 1 firing case 4 - 1 F. F. Electric, 15 pdr stroke bolts, 84 - 1 F. F. C. cocking rings stood in Equipment [illegible]; one Compass binnacle, and hood. - Distilling steam in boilers A, B, D.

Ralph Earle,
Ensign

4 to 8
Generally cloudy and cool. Stiff to gentle breeze from W. S. W. Went to quarters at 4.30 and had physical drill. Steam in boilers A. B. D. Distilling

E. A. Beach
Lieut. U. S. N.

8 pm to Midnight
Overcast and rainy with rain last half. Moderate to stiff W by S to W. S. W. by breezes. Barometer nearly steady. Distilling

Examined and found to be correct.

Ralph Earle,
Ensign.

E. F. Leiper
Lt. Navigator.

4—99

LOG of the UNITED STATES *Training Ship Essex* **Rate,**

Moored to buoy off Newport. R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, each in.	State of the Sea.
A. M.																		
1				S. W. by W.	W. S. W.	4			30.04	61	41	41		O. C. R.	N.		10	
2				"	"	3			30.05	61	40	40		O. C.	"		10	
3				"	"	3			30.06	60	40	40		"	"		10	
4				W. by N.	"	3			30.06	60	40	40		"	"		10	
5				S. W.	Calm	0			30.07	60	40	40		b. c.	Cu.		8	
6				W.	W. N. W.	2			30.08	60	41	40		"	"		8	
7				"	"	2			30.12	62	41	40		"	"		7	
8				W.	W. N. E.	2			30.26	55	40	39		"	"		3	
9				"	"	2			30.27	55	41	38		"	"		4	
10				W. N. E.	"	4			30.28	44	37	35		"	St.		2	
11				"	"	4			30.29	44	37	35		"	"		2	
Noon.				"	"	7			30.30	56	36	34		"	"		2	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temperature.
Longitude by ° ′ ″ Food. 64-62

Position at noon: Latitude by observation ° ′ ″ 65-62
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, / tons, 1860 lbs.

Coal remaining on hand at noon, 111 " 2115 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, each in.	State of the Sea.
P. M.									30.32									
1				N. N. E.	N. N. E.	3			30.32	60	36	34		b. c.	bi.		1	
2				N. E.	"	3			30.36	49	36	33		"	"		1	
3				"	"	2			30.38	49	33	32		"	"		1	
4				"	"	2			30.42	49	31	29		"	"		2	
5				N. E. × E.	N. E.	2			30.48	57	29	28		"	Cud.		4	
6				E.	"	1			30.48	67	27	27		"	"		4	
7				N. by E.	"	2			30.57	68	27	26		b.	None			
8				"	"	2			30.60	68	26	26		"	"		"	
9				"	"	1			30.62	65	26	25		"	bi.		0	
10				"	"	1			30.62	68	26	25		b.	bi.		2	
11				N.	"	1			30.62	61	26	25		"	"		2	
Mid.				"	"	1			30.62	66	27	26		"	"		8	

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday January 22, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m.
Overcast and cloudy. light rain first hour. Barometer rising slowly. Moderate to gentle breeze from N. N. W. Fires banked in boilers A & D.
Distilling from boiler C.

J. H. Brown
Lieut. U. S. N.

4 to 8 a.m.
Overcast and cloudy. Calm and light breeze from N.N.W. Steam in boilers A & D. Distilling. Sent apprentice over masthead.

E. H. Beach
Lieut. U. S. N.

8 a.m. to Meridian
Fair and cold. Light to moderate N.N.E'ly breeze. Barometer rising. Distilling. At 9:30 mustered at quarters, no absentees. Exercised at fire drill until 11:30. Crossed light yards, lowering and furling sails, leaving all sail loosed to dry at end of drill.

Ralph Earle,
Ensign.

Meridian to 4 p.m.
Clear and cold, Light to gentle breeze from N.N.E. Barometer rising slowly. Exercised at lowering and furling sail from 1:30 to 2:10. Exercised hands for sea. Part on stopping gear. Distilling. Received the following stores. In Department of Construction and Repair. 5 lbs brass B.N. 1/2 x 2, 5 lbs brass B.N. 3/4 x 3, 5 lbs brass B.N. 1 x 3 1/2, 1 bbl Portland Cement, 6 sheets glass 10 3/4 x 26 1/2, 5 sheets glass 11 3/4 x 24, 6 sheets glass 20 x 24, 6 sheets ground glass 9 1/2 x 7, 6 sheets ground glass 9 x 13 1/2, 6 Pairs hinges brass 2 1/2" butt, 6 pairs hinges brass 3" butt, 6 books x Maples cabin doors, 3 brass chain locks, 6 hasps, 6 books x Maples, 1 gross brass wood screws F. H. 1 1/2", #10; 1 gross brass wood screws F. H. 1 1/2" #12; 1 gross brass wood screws F. H. 1 1/2" #10; 1 gross brass wood screws F. H. 1 1/4" #10; 1 gross brass wood screws F. H. 1 1/4" #8; 1 gross brass wood screws F. H. 1" #8; 5 lbs hinge spring wire #15 D.W.G.; 5 lbs copper wire #12 B.W.G.; 2 lbs. Escutcheon pins 1 1/2" #13; 10 sheets brass. R. 14" x 28 1/2 #23 B.W.G.; 6 sheets copper 12" x 36" #23 B.W.G.; 10 ft. brass rod 1/2"; 10 ft. brass rod 3/4"; 24 engraved Bitter heads 2 1/4 x 9 1/2 x 1/4; 100 lbs venetian red oker, 1/2 gal. gold size; 3 assort "Lenox"; 1 small riveting hammer; 1 Bench vise; 2 doz. hack saw blades; 1 glass thermometer & 1 hand drill sounded; In Equipment Department. 1 American Ensign #4; 1 American Ensign #5; 1 American Ensign #6; 2 Narrow pennants #4; 2 Narrow pennants #6
In Department of Steam Engineering. 1 bull eye lantern, 100 fine twine, 10 lbs white twine, 5 chart tracks, 100 lbs fine clay, 200 ft chain for smoke stack guys, 50 lbs turpentine, 50 lbs 1/4" sq. packing, 5 lbs 3/4", 10 lbs labels, 4 to 8 p.m.

J. H. Brown, Lt.

Clear and cold. Light N.E'ly airs and breeze. Barometer rising. Distilling. At 4.30 went to quarters and had setting up drills. Received in Pay Dept. 750 lbs. each of fresh meat and vegetables.

Ralph Earle,
Ensign.

8 pm to Midnight
Examined and found to be correct.

Clear and cold. Light airs from N.E. Distilling. Barometer steady.

J. H. Brown, Lieut. U. S. N.
Navigator.

E. H. Beach, Lt.

4-266

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Moored to buoy Newport R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Clouds.	Amount, after 10.	State of the Sea.
A. M.																		
1				N E	N. N. E.	1			30.52	60.	26	25		b	None.			
2				"	"	3			30.50	57	26	25		b c	b.c.s.	N.	4	
3				E. S. E.	N. E.	3			30.48	57	26	25		"	"	"	3	
4				E. by S.	"	3			30.49	59	26	26		"	S.	"	2	
5				N.	N. N. E.	1			30.48	58	26	25		b.	"	"	0	
6				"	"	1			30.48	58	24	24		bc.	S.	"	3	
7				N. by E.	"	1			30.48	58	24	24		bc.	b.c.	"	10	
8				"	"	1			30.47	58	24	24		"	"	"	10	
9			71.8	coming	"	2			30.44	58	28	28		by.	b.c.p.c.	"	4	
10	8	3	1 74. 9	S. W.	N. E.	4			30.42	62	29	28		b.c.m.	b.c.	"	3	
11	7	6	83. 4	W. by W.	"	4			30.37	47	32	30		"	"	"	2	
Noon.	8	6	92. 1	"	"	4			30.32	47	34	33		"	"	"	2	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temperature

Longitude by ° ′ ″ Ford — Aft.

Position at noon: Latitude by observation *bearings* 41. ° 17. ′ 13.″ N. 63-62 — 63-61.

Longitude by observation *bearings* 71. ° 46. ′ 13.″ W.

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon: *Coasting*

Distance made good since preceding noon: 25.5 miles.

Distance by Log since preceding noon: 21.3 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water *Distilled* during the preceding 24 hours, 1,100 "

Water remaining on hand fit for use at noon, 2,750 "

Coal consumed during the preceding 24 hours, 3 tons, 1280 lbs.

Coal remaining on hand at noon, 108 " 935 "

P. M.																		
12 50	7	5	99.6	N. 18° W.														
1. 20	7	6	101.1	N. 75° W.	N. E.	4			30.28	46	36	34		bc.	b.c.s. b.c. d.		4	S
1. 50	2	9	104.0	W. by N.	"	4			30.28	46	36	34		"	"		4	
2. 40	3	9	109.9	Coming W.	"	3			30.26	50	38	35		"	"		2	
4	4	2	Anchor 113.1	W. by E.	"	3			30.24	52	38	37		"	"		8	
5				"	"	3			30.23	53	37	36		"	"		8	
6				"	"	3			30.22	56	36	35		"	"		9	
6. 30	Swinging to the flood			N. by E.	"	3			30.22	62	35	35		o c u	b.c.h.		10	
8				S. E.	"	2			30.21	62	34	34		"	"		10	
9				S. S. E.	"	3-4			30.20	63	34	34		o. c. d.	"		10	
10				E. S. E.	"	3-4			30.17	63	34	34		"	N.		10	
11				E.	"	4			30.14	64	33	33		"	"		10	
Mid.				N. N. E.	"	4			30.10	58	32	32		"	"		10	
12	Swinging to Ebb.																	

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday January 23 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 Am.
Cold and pleasant. Light airs from N.W.-E. to gentle N. E'ly breze. Barometer falling slowly. Stopped distilling at 2.15 tanks being full

F. H. Brown
Lieut. U. S. N.

4 to 8 am.
Clear and cold first half, overcast last half. Light N.N. E'ly airs Barometer steady. Made preparations for sea. Piped in Top Dept. 6 wells fresh head. Did not send yardarms over masthead on account of inclement weather. Steam in cr. 6 and D. boilers

Ralph Earle,
Ensign

8 am to Meridian
Clear and cold. Light breges from N.N.E. to moderate N. E'ly breze Making preparations for getting under way. cft 9.15 got under way and steamed out of Newport Harbor with all plain sail set under Comd. Comd'g Officer & Navigator cft 9.27 past over patent log reading 71.8 F.t Dumping Log reeling astern. Gen various courses until 10.54 when made course N. 88° W. Pt. Judith Light bearing abeam and close abeard pt. 82.4 cft 10.45 went to divrs All Hands on watch drill Draft off Ships fwd. 14' 8" aft 16' 10" Barometer falling Absent P. D. Leighton W.E. Shand. 1 Compass No 26634, 1 Distiller coils one spare set received from Gen Storekeeper U.S. Gunning Station Newport R.I.

F. H. Brown
Lieut. U. S. N.

Meridian to 4 pm.
Fair, cloudy but hom, and cool. Moderate to gentle breges from N. E. Barometer steady. Standing along south shore of Fishers Island, doubling Race Rock Light House, and then up Thames River to an anchorage abreast New London and below bridge, under steam① and all plain sail and the main trysail until about 2.20, when took in and furled all square sails. Captain or Navigator conning. cft 12.50 patent log reading 100.0; changed course to N. 75° W. by Standard compass. cft 1.20 changed course to N. 81° W. then conned up river. eft 2.58 came to the first anchor, in 7 fathoms of water, with muddy bottom, and veered to 30 fathoms of chain. Bearings by Standard compass at anchorage; Ships head N. 9° E. Fort Griswold Monument N. 85° E; draw pier of bridge N. 9° E. Sent an Officer on shore for telegrams and to arrange for coaling. Omitted penetine drill to handle sails

George N. Hayward
Lieut. U. S. N.

① in cr. 6 and D. boilers
② taking in and furling fore and aft sail at 2.30

4 to 8 pm.
Clear & cool, gentle breze from N. E. lying in harbor of New London until 4.20 when got up anchor, and steamed up the Thames River anchored at 5.05 port anchor, in 4 fathoms of water 15 fms out chain; muddy bottom, 2.30 yds N. W. of coaling dock. Secured engine Started Distilling 6. to 8 pm.

E. L. Beach
Lieut. U. S. N.

Examined and found to be correct

Forecast cloudy and raw with drizzling rain light N.E'ly breges - Barometer falling. Distilling. Steering to Point 6.15 to 7.15

Ralph Earle, Ensign

8 to Midnight

Overcast and cloudy with light drizzling rain Barometer falling Gentle to moderate breze from N.E. Swinging to E.b.S. 10.30 to 12.00. cft 11.30 stopped distilling.

Navigator.

E. F. Leiper
Lieut.

F. H. Brown
Lieut. U. S. N.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor off U. S. Naval Station New London Conn.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Current.	Amount, allowed.	State of the Sea.
A. M.																		
1				N.	N.N.E.	2			30·07	57	32	32		o c d	b.N.	N.W.	10	
2				"	"	3			30·01	56	32	32		"	"	"	10	
3				"	"	3			30·00	56	32	32		"	"	"	10	
4				"	"	4			29·97	58	32	32		"	S.cu.N.	"	10	
5				"	N.N.E.	3			29·96	58	34	32		"	S.cu. N.by W.	N.by W.	10	
6				"	"	4			29·93	58	34	33		b.c.d.	"	"	6	
7				N.E.by N.	"	4			29·90	58	32	31		b.c.	b.u.N.	"	8	
8				E.S.E.	"	4			29·88	58	33	33		"	"	"	9	
9			Moored	along side	"	4			29·86	56	33	33		O c			10	
10				of dock.	"	4			29·81	52	33	33		"			10	
11					"	3			29·78	56	34	34		"			10	
Noon					North	3			29·76	56	34	34		"			10	

Position at 8 A. M. { Latitude by ° ' " Mag. — Temp.
Longitude by ° ' " Var. — Diff.

Position at noon: { Latitude by observation ° ' " 64-63 — 63-62
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: Easting.

Distance made good since preceding noon: 27·5 miles.

Distance by Log since preceding noon: 23. miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 650 "

Water remaining on hand fit for use at noon, 3,000 "

Coal consumed during the preceding 24 hours, 1 tons, 90 lbs.

Coal remaining on hand at noon, 104 " 745 "

P. M.											
1	Moored at dock	S. by E.	N.N.W.	4	29·68	55	35	35	o.c.m	S.	None 10
2		"	"	3	29·66	54	35	35	"	"	" 10
3		"	"	2	29·64	54	35	35	"	S.cu.	" 10
4	At anchor	"	N.W.	3	29·63	52	35	35	"	"	" 10
5				2	29·62	51	34	34			" 10
6		W. by W.	calm	0	29·61	49	34	34	b.c.	F.N.S.	" 6
7		N.W.	"	0	29·56	47	32	32	"	"	" 6
8	At anchor	South	"	0	29·56	49	31	31	"	"	" 6
9		S. by E.	"	0	29·56	49	31	30	b.c.m.	b.S.	4
10		South	North	1	29·56	49	32	32	b.c.m.u.	S.cu.	3
11		S.S.E.	"	1	29·53	47	32	32	"	"	4
Mid.			N.N.E.	1	29·50	64	32	32	b.m.u.	None	0

under the command of Commander R. C. Davenport, U. S. Navy,

Thursday January 24, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended as follows:

Overcast & cold. Light drizzle at frequent intervals. Ship finished surveying the Roads at 12:10. Light to gentle N.W.ly breeze. Barometer falling.

W. H. Upton
Lieut. U. S. N.

4 to 8 am

Overcast & cloudy. Gentle to moderate breezes from N.W. to E. Barometer falling. At 6:35 began to swing to flood tide and were nearly around when the ship got underway. Made preparations for going alongside Naval Station coal-wharf and for coaling. Spread fires in boilers A, B, and D, at 5:45. At 7:50 called all hands, weighed the anchor, and steamed alongside the coal-wharf, dropping stern bower and ~~paying out 60 fathoms~~.

George N. Hayward
Lieut. U. S. N.

8 am Meridl:

Overcast & cloudy and cold. Moderate to gentle breeze from N.W. to N. Secured ship alongside coal-wharf, and then commenced coaling ship. Received from U.S.R.S. Richmond with necessary transfer papers and bag & hammock, J. W. Benfield yeo. 1st. Wardroom steward P. D. Leighton was transferred to U.S.R.S. Vermont by order of Navy Dept. as a straggler. Received on department of S.E. 33 Manhatton lamp globes. Distilling.

E. L. Beach
Lieut. U. S. N.

Meridian to 4 pm.

Ozer cast, cloudy and cold. Moderate to light N.N.W. ly to N.W. ly breezes. Barometer falling rapidly. At 1:10 commenced coaling and continued, all watch taking aboard 27 tons and 553 lbs. Total Lineton N.C. Steward reported for duty from U.S.R.S. Vermont. Distilling. A permanent appointment dated Jan 9, 1901 as yeoman 3rd class was issued to Josephus E. Hall and yeo. 3rd class.

Chas. B. Earle
Ensign.

4 to 6 pm.

Overcast & cloudy. Calm and light breeze from N.W. Barometer steady. Coaling ship resumed 4:45. Received on all during day 40 1279/2240 tons. At 5:55 called all hands unmoor ship, cast off from dock hove up Starboard anchor and moved out in stream, opposite naval station and dropped Starboard anchor in 6 fathoms water and veered to 20 fathoms on Starboard chain. Banked fires in boilers A & D. Started distilling from boiler at 5:45.

F. H. Brown
Lieut. U. S. N.

6 to 8 pm.

Hazy and cool. Moonlight. Calm. Barometer steady. Ship swinging to flood tide from 6:30 to 7:30.

W. H. Upton
Lieut. U. S. N.

8 pm to Midnight

Fair hazy cool, and damp. Calmes and light airs from North to N.W. Barometer falling. Steam with banked fires in ch. B and D boilers. Stopped distilling at 8:30. Riding to the flood. Moore set ~~was~~ land at 9:40 distant 1 cable's length. Examined and found to be correct.

George N. Hayward
Lieut. U. S. N.

Navigator.

E. F. Leeper
Lieut.

belonging to T. D. Bailey Landsman was sold at auction for 35 cents during yesterday's afternoon watch.

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

At anchor off U. S. Naval Station New London Conn.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1				North	Calm	0			29·60	55	31	31		b.c.m	bd		4	
2				"	"	0			29·60	55	31	31		"	"		4	
3				"	"	0			29·60	56	30	30		"	"		3	
4				"	"	0			29·49	56	30	30		"	"		3	
5				"	N. N. E.	1			29·48	56	31	30		"	"		5	
6				"	"	2			29·48	56	31	30		"	"		4	
7				Along side of dock	"	1			29·48	56	31	31		O. C. M.	"		10	
8	Ships Head			N by W.	"	1			29·47	56	31	30		"	"		10	
9				"	"	2			29·48	48	31	32		"	"		10	
10				"	"	2			29·48	48	32	33		"	"		10	
11				"	"	3			29·48	50	37	36		"	"		10	
Noon.				"	"	3-4			29·47	49	38	37		b.c.	"		9	

Position at 8 A. M. { Latitude by ° ′ ″ *Mag — Dev.* / Longitude by ° ′ ″ *Var — Diff*

Position at noon: { Latitude by observation ° ′ ″ *65-63 — 62-61* / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water *distilled* during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 17 tons, 90 lbs.

Coal remaining on hand at noon, 163 " 654

P. M.														
	Ships Head N by W.													
1		*Moored to dock*												
2		"	N. N. E.	3		29·45	49	39	37	b.c.	b.d.	N.E.	8	
3		"	"	3		29·45	50	40	37	O.C.	"	"	10	
4		"	"	3		29·50	50	40	38	"	"	"	10	
5		"	"	3		29·50	50	40	38	"	"	"	10	
6	*At anchor*	N by W.	North.	4		29·54	49	38	38	b.c.m.	b.d.	North	6	
7	"	"	"	4		29·57	50	39	39	"	"	"	9	
8	"	"	N. by E.	4		29·59	51	39	38	b.c.	b.d.	"	9	
9				4-5		29·62	51	38	37	b.c.g.	"	"	9	
9-10	*commenced surveying to flood*	N. E.	"	5		29·62	51	37	35	b.c.	b.d.	"	9	
10		E.	"	5		29·64	52	35	33	"	"	"	7	
11		"	"	6		29·65	53	34	32	"	"	"	9	
Mid.		N by E.	"	6		29·65	53	33	31	"	"	"	9	

under the command of Commander R. G. Davenport , U. S. Navy,

Friday January 25 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 am

Misty and cool. Laying off New London coal dock. Swinging to clr at 1:30 Steam in boilers at 6 P. M.

E. L. Beach
Lieut. U. S. N.

4 to 8 pm

Fair first half, overcast and cold remainder. Light N W & S by airs and bright. Barometer falling slowly. Spread fires at 6:00. At 6:45 got under way and went alongside coal dock. Stopped port anchor and completed spotting at dock at 7:00. Banked fires at 8:00 under clr & D. boilers.

Ralph Earle,
Ensign.

8 pm to Meridian

Overcast and cloudy. Barometer steady. Light to moderate breeze from N. N. E. Commenced coaling at 8:45 and stopped at 11:40 took on during watch 22 60/2240

F. H. Brownell
Lieut. U. S. N.

Mar 26 to 4 pm

Overcast and chilly. Commenced coaling at 1pm At 3:15 [illegible] Washing down [illegible] sensional effects of [illegible] ning with held. Sale [illegible]

E. L. Beach
Lieut U S N.

In accordance with telegraphic instructions from the Bureau of Navigation, the accounts of the following named men were transferred to the U. S. R. S. Vermont: as deserters:

Evan H. Thornette,	Yeoman 3rd, Class,
Thomas Barnett,	Seaman,
Luke Manion,	Fireman 1st, Class,
Patrick Hines,	Landsman,
Robert C. Bjork,	Landsman,
Edward Johnson,	Landsman,

George N. Hayward
Lieutenant, U. S. Navy.

[illegible] North. Barometer [illegible] from the coal wharf [illegible] from the south end [illegible] fathoms on port chain. [illegible] 5:55 began distilling. [illegible] with their effects [illegible] orders to report for [illegible]

N. Hayward
Lieut U S N

[illegible] North and North by E [illegible]

E. L. Beach
Lieut. U. S. N.

[illegible] Generally cloudy and cold. Shift to North W by S & W by S brages Barometer rising. Steam [illegible] at 10:30. Distilling. Began to swing to flood at 9:00 Steam to port, but swung back to wind.

Ralph Earle,
Ensign.

Examined and found to be correct.

E. F. Leiper
Navigator.

4—99

under the command of Commander R. G. Davenport , U. S. Navy,

Friday January 25 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 am

Misty and cool. Laying off New London coal dock. Swinging to tide at 1:30 Steam in boilers at 6 D.

E. L. Beach
Lieut. U. S. N.

4 to 8 pm

Fair first half, overcast and cold remainder. Light N W & Sly airs and brazes. Barometer falling slowly. Spread fires at 6:00. At 6:45 got under way and went alongside coal dock. Stopped port anchor and completed mooring at dock at 8:00. Banked fires at 8:00 under C & D. and D. boilers.

Ralph Earle,
Ensign.

8 am to Meridian

Overcast and cloudy. Barometer steady. Light to moderate breeze from N.W.E Commenced coaling at 8:45 and stopped at 11:50 took on during watch 22 $\frac{460}{2240}$

F. H. Brown
Lieut. U. S. N.

Meridian to 4 pm

Overcast and chilly. Commenced coaling at 1 pm At 3:15 stopped coaling. Received during watch 17 $\frac{1440}{2240}$. Washing down Spar deck. Barometer rising. On auction sale of the personal effects of P. D. Leighton M. R. Steward Struggle from these ships company with held. Sale amounted to $82.50

E. L. Beach
Lieut U. S. N.

4 to 6 pm

Cloudy, cool, and hazy. Moderate breezes from North. Barometer rising. At 4:45 spread fires and at 5:00 cast off from the coal wharf and came to port anchor 150 yards West [magnetic] from the south end of station wharf in 5 fathoms of water, veering to 22 fathoms on port chain. At 5:30 banked fires in A & B, and D. boilers and at 5:35 began distilling. W. J. Regan Lds. and M. Mc Feely, Ships boys & cleaners with their effects and the necessary transportation, left the ship for duty to the Captain of the U. S. S. Vermont. Ships freight orders to report for duty to the Captain of the U. S. S. Vermont & there left by mail.

Geo N. Hollyman
Lieut U. S. N.

6 to 8 pm

Cloudy and cool. Moderate to stiff breeze from North and North by E. Distilling.

E. L. Beach
Lieut. U. S. N.

8 pm to Midnight

Generally cloudy and cold. Stiff to fresh N by E & Ely brazes Barometer rising. Moon set at 10:30. Distilling. Began to swing to flood at 9:00 steam to port, but swung back to wind.

Ralph Earle,
Ensign.

Examined and found to be correct.

E. F. Leiper
Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor off U.S. Naval Station New London Conn.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, saturation.	State of the Sea.
A. M.																		
1						6			29.66	51	32	32		[illegible]	cis		2	
2				North	N.E. by N.	6			29.69	51	32	32		"	"		2	
3				"	"	7			29.70	50	32	31		bcn	cs		3	
4				"	"	7			29.73	50	32	31		"	cis		2	
5				"	"	7			29.72	48	30	29		"	cus		4	
6				North	"	7			29.72	50	30	28		"	"		5	
7				"	"	7			29.75	50	30	28		"	"		9	
8				"	North	5			29.78	50	30	28		"	bcm		5	
9				"	"	5			29.80	48	32	32		bcm	A-C		3	
10				N.E.	N by E.	5			29.79	49	34	33		"	"		3	
11	0	0	13.0	"	"	5			29.76	50	36	34		"	"		2	
Noon	9	0	22.0	S 70° E	"	5			29.73	51	37	36		"	"		2	

Position at 8 A. M. { Latitude by / Longitude by } ° ' " Not Taken Good Aft.

Position at noon: { Latitude by observation Sumner 41° 13' 0" N. 64-63 68.62 / Longitude by observation Sumner 71° 57' 15" W. / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 12.0 miles.

Distance by Log since preceding noon: 12.0 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D.R. 40° 38' 54" N. / Longitude by D.R. 71° 3' 46" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 460 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 3 tons, 245 lbs.

Coal remaining on hand at noon, 181 " 961 "

P. M.																		
1	8	5	30.5	S 70° E	N by E	5			29.66	43	37	35	39	bcm	cis		3	8
2	6	0	36.5	"	"	5			29.63	44	37	35	40	"	"		3	"
3	6	8	43.3	S 31 E	"	5			29.63	46	39	37	42	"	"		2	"
4	7	9	51.2	"	E.N.E.	5			29.62	46	38	36	42	"	"		2	"
5	7	9	59.1	"	N by E	5			29.62	47	37	35	42	"	"		3	"
6	8	1	67.2	"	"	5			29.60	45	37	35	42	b	cmu		0	"
7	8	6	75.8	"	"	5			29.58	46	37	35	44	"	"		0	"
8	8	6	84.4	"	"	5			29.57	48	36	34	44	"	bcm		0	"
9	7	6	92.0	"	"	5			29.54	50	35	34	40	bcm	S-bu		2	W
10	8	6	0-6	"	"	5			29.54	49	35	34	42	"	"		2	"
11	8	4	9-0	"	N.N.W.	4			29.54	47	35	34	44	"	"		4	"
Mid.	8	3	17-3	"	N.W.	4			29.52	45	35	34	44	"	"		7	"

under the command of Commander P. G. Davenport, U. S. Navy,

Saturday January 26, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM.
Clear, squally, first half. Fresh brugs from N.N.E. Barometer rising. Fires banked in boilers A C & D. Stopped distilling at 1.45
J. H. Brown
Lt. U.S.N.

4 to 8 AM.
Cloudy to clearing at end of watch. Fresh brugs, moderating at end of watch. Barometer rising slowly. Fires banked in boilers A C & D.
M. K. Eaton
Lieut U.S.N

8 PM to Midnight
Fair to cloudy and cool. Fresh brugs from N by E backing to N.W. and falling to moderate brugs. Moderate sea from N.N.E. Barometer fading. At end of watch ship rolled deeply, at about 10:00 wind shifted to starboard quarter, laid the yards square and took in the topsail. A steamer passed under the stern at 10:30 Bound E & E Steamer
George N. Hayward
Lieut U.S.N.

Barometer falling. At 9.45 ...nd stood down the ...mes ... Block Island. At end of ...est tangent Cuttis Island, ... 133 with New London Light ... Steam rail & royals ... Doubled Race Rock Light ... bars. At 11.45 took in and ... the Fastnet and ... N. Hayward ... Lieut U.S.N.

...shifting to E.N.E. last hour ...ipples propeller, and steam ...t royals and fore and aft ...ctured 120 and 2 with ...e propeller was being ...when changed course ... took departure Block Island ... N. 33° W. Ships head ... Avg. St. 88 Av. revs. 74
...S Reece Jr.
Lieut U.S.N.

...4 to 8:30 mustered at quarters and ...held setting up drills. Hauled down jib at 5:00. Under steam and square sail save royals. Fore topmast ...staysail and main topsail, on course S. 81° E. [S.S.E.] Log 67.2 at end of watch. Av. steam 56 Av. rev. 73.6
Ralph Earle,
Ensign U.S.N.

6 to 8 AM —
Clear & Cold. Stiff brugs from N by E. Barometer falling. On course S.81° E under steam on three boilers with square sail to topgallant sail & fore topmast staysail. Ship rolling 10° to starboard and 6° to port with long quartering swells. About 7 A.M. passed a large steamer headed to the N.E. bound. Av. Steam 56. Av. revolutions 73.2
M. K. Eaton
Lieut U.S.N.

Examined and found to be correct.

E. F. Leipsic
Lieut Navigator.

4—205

under the command of Commander P. G. Davenport, U. S. Navy,

Saturday January 26, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM.

Clear, squally first half. Fresh brugg from N.N.E. Barometer rising. Fires banked in boilers A. C. & D. Stopped distilling at 1.45

J. H. Brown
Lt. U.S.N.

4 to 8 AM.

Cloudy to clearing at end of watch. Fresh brugg, moderating at end of watch. Barometer rising slowly. Fires banked in boilers A.C. & D.

W. H. Dixon
Lieut U.S.N.

8 AM to Meridian.

Fair, cool and hazy. Fresh brugg from S. by W. Barometer falling. At 7.45 sounded fire. At 10.00 called all hands, weighed the anchor and stood down the Thames River, doubled Race Rock and set course for South end of Block Island. At end of watch bearings by standard compass, Ships head, S. 70° E.; East tangent Fishers Island, 3.0 E.; Race Rock Light house, N. 55° W. At 11 AM, Patent log read 13.3 with New London Light house abeam. At 11.20 called all hands and made all plain sail & royals, except flying jib and fore topmast staysail. At 11.45 doubled Race Rock Light house and put ship on course S. 70° E. by standard compass. At 11.45 took in and furled the royals and set fore topmast staysail. Left in the Entrance and secured everything for sea. Ships draft 16 ft 10 ins, 18 ft 11 ins.

Geo. N. Hayward
Lieut N.S.N.

Meridian to 4 PM.

Fair & cool. Stiff brugg from N. by E. shifting to E.N.E. last hour running with three boilers, except between 2 & 3 when manned & propeller, and steam supplied to propeller again. Ship under square sail except royals and fore and aft sail except flying jib and spanker. Ship was hove to between 12.0 and 2. with main topsail to wind, taking in top gallant sails, white Propeller was being supplied. Course S. 70° E until 2 (except when hove to) when changed course S. 31° E. patent log 36.5. At 2 set top gallant sails. At 2.55 took departure Block Island Light House, Bearing N. 19° E. Watch Point Light House N. 33° W. Ships head 31° E. patent log 50.6 Lat 41° 59' N. Long 71° 38' 45" W. Avg. St. 88 Av. revs. 74

C. P. Beach
Lieut N.S.N.

4 to 6 PM.

Clear & cold - Stiff N.N.E. brugg Barometer falling. At 4.30 mustered at quarters and held setting up drills. Hauled down jib at 5.00. Under steam and square sail save royals. Fore topmast staysail and main topsail, on course S. 31° E. [S.S.E.] Log 67.2 at end of watch. Av. steam 52 Av rev. 74.6

Ralph Earle,
Ensign U.S.N.

6.48 PM -

Clear & Cold. Stiff brugg from N.N.E. Barometer falling. On course S. 31° E. under steam on three boilers with square sail to topgallant sails & fore topmast staysail. Ship rolling 10° & steadied and set to port with long quartering swells. About 7 P.M. passed a big steamer headed to the N.E. bound. Av. Steam 56. Av. revolutions 74.2

W. L. Gross
Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making Passage from New London Conn. to

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving; form.	CLOUDS. Amount, scale 10 is full.	State of the Sea.
A. M.																		
1	8	1	25.4	S 31° E	N. N. W.	5			29.50	52	37	35	44	bc	cu cu	N	7	L
2	6	4	31.8	"	"	5			29.47	52	37	35	44	"	"	"	4	"
3	5	0	36.8	"	"	5			29.47	52	37	35	44	"	"	NW	4	"
4	5	9	42.7	"	"	5			29.45	52	37	35	44	"	"	"	4	"
5	6	3		"	"	5			29.45	50	38	36	54	"	cu.	"	4	R
6	6	2	55.2	"	"	5			29.42	50	39	37	54	O.C.	"	"	4	"
7	6	8	62.0	"	W.N.W.	5			29.40	50	40	39	54	"	"	"	4	"
8	7	2	69.2	"	"	5			29.38	50	40	39	54	"	"	"	4	"
9	7	3	76.5	"	Wby S	6			29.40	58	41	39	55	"	Cum	"	10	M
10	7	4	83.9	"	"	6			29.40	58	42	40	55	"	"	"	10	"
11	7	5	91.4	"	"	6			29.42	59	43	42	55	"	"	"	10	"
Noon.	5	9	96.3	"	"	6			29.42	59	48	42	55	bc	"	"	10	"

Position at 8 A. M. { Latitude by D R: 39° 30' 30" N. Mag Sunset
Longitude by D R: 69° 14' 27" W. Fixed Sight

Position at noon: { Latitude by observation: 39° 9' 27" N. 63-62 62-60
Longitude by observation:
Latitude by D. R.: 39° 9' 36" N.
Longitude by D. R.: 69° 25' 27" W.

Course made good since preceding noon:

Distance made good since preceding noon: 172 miles.

Distance by Log since preceding noon: 172 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by: 38° 35' 30" N.
Longitude by: 68° 48' 45" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, 6 tons, 1160 lbs.

Coal remaining on hand at noon, 174 " 2041 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving; form.	CLOUDS. Amount, scale 10 is full.	State of the Sea.
P. M.																		
1	7	0	03.3	S 31° E	Westly N.	6			29.34	62	43	43	56	OC.	Cu.	NW	10	M
2	6	5	09.8	"	Wby N.	6			29.31	65	45	44	57	"	"	"	10	"
3	6	6	16.4	"	West	6			29.27	65	45	44	57	"	Cu-Str	"	10	"
4	7	1	23.5	"	"	6?			29.27	66	46	44	57	ocf	"	"	10	"
5	6	5	29	"	W.N.W.	6			29.25	66	46	44	57	"	"	"	10	"
6	6	3	36.3	"	West	6			29.22	65	46	45	58	ocm	Cu-m	W.	10	"
7	4	7	39.0	"	W.N.W.	5			29.20	54	46	45	58	"	"	"	10	"
8	4	6	43.5	"	"	4-5			29.19	54	46	45	58	"	"	"	10	"
9	3	6	47.1	"	"	4			29.21	57	46	45	58	"	"	"	10	"
10	3	9	51.0	"	"	4			29.21	60	46	45	58	"	"	"	10	"
11	3	1	54.1	"	"	3			29.20	61	46	45	58	"	Cus	"	10	"
Mid.	2	6	56.7	"	"	3			29.18	60	46	45	58	"	"	"	10	"

under the command of Commander R. S. Davenport, U. S. Navy,

Sunday January 27, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

8 P.M. to Midnight

Overcast & cloudy. Drizzly. Gentle & moderate breeze from W.t W. Barometer falling slightly. Moderate Sea. Ship rolling 15° starboard and 20° port. On course S 31° E. (p & C.) Pat log 35.7 at end of watch. Under close reefed fore and main topsails, double reefed foresail, foretopmast staysail and main trysail

F. H. Brown,
Lieut U.S.N.

Ship under jib and spanker
15° when engine became
king, at time of very heavy
shore. Yards squared
up on starboard tack
t on course, streame rolls
467 Average. Steam 56
Leach
Lieut U.S.N.

ce. Barometer falling.
quarter 30° each side.
inclement weather,
e course S 31° E [p & C]
of watch. Backed fires
Ralph Earle
Ensign U.S.N.

Barometer rising slightly. Or
ned foretopmast staysail at
Port 35° to starboard 28°.
was not held on account
W. W. Paton
Lieut U.S.N.

Meridian to 4 P.M.

Overcast cloudy and cool. Fresh breezes from W. by S. backing to West, and coming in puffs last hour. Barometer falling. Ship on course S 31° E. by Standard compass, under foretopmast staysail, foresail, and the four main topsails and topgallant sails. Ship rolling deeply at times to a moderate sea from W.t W. Greatest roll to leeward 25°, speed to windward, 15°.

George N. Hayward
Lieut U.S.N.

4 to 6 P.M.

Overcast cloudy & cool. Fresh breezes from W.t W. to W. Steering (p & C.) S 31° E. Ship under square sail to t'gallant sails, also jib and trysail and foretopmast staysail. At 4 called all hands, close reefed topsails, took two single reefs in foresail, furled jib and t'gallant sails. Set up fore storm staysail and storm main trysail. Ship rolling. Avg. roll 30° 6 per min. Pumped, braces were put on weather topsail and lower yard arms.

E. L. Beach Lieut U.S.N.

6 to 8 P.M.

Overcast, cloudy & raw. Stiff to moderate W.N.W. by breeze. Barometer lowered falling slowly. Ship rolling 6 per min to sea on starboard quarter, 220 port Avg 5° starboard. On course S 31° E. (p & C.) log 38 at end of watch, under close reefed topsails, close reefed foresail, foretopmast staysail & trysail.

Ralph Earle
Ensign U.S.N.

Examined and found to be correct.

E. F. Leffler
Navigator.

4—005

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday January 27, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.

Generally cloudy, cool. Stiff breze from W.N.W. Ship under jib and spanker all to royals. Steaming with boilers A.C.&D. until about 1:15 when engine became disabled, flanges of slipper connecting to L.P. crosshead breaking, at times of very heavy roll. Uncoupled propeller and proceeded under sail alone. Yards squared and steaming L.P. S.E. until about 2 A.M. when braced up on starboard tack but almost immediately after squared away, and went on course, extreme roll 30° each side, 6 per minute. Average revolutions to head down 467. Average. Steam 96 Banked fires in A.C.&D. boilers.

E. L. Beach
Lieut. U.S.N.

4 to 8 A.M.

Overcast & cloudy. Stiff N.E.by E. to W.N.W. breezes. Barometer falling. Ship rolling 6 per min. to rough seas on starboard quarter 30° each side. Did not send apprentices over masthead on account of inclement weather. Steaming coal below from gun deck. Distilling. On course S.81°E. [by S.C.] under sail as in previous watch. Log 62.4 at end of watch. Banked fires in A.C.&D. boilers.

Ralph Earle
Ensign U.S.N.

8 to Meridian

Overcast & cloudy. Fresh breze from W.by S. Barometer rising slightly. On course S.81°E under all square sail to t'gallant sails and foretopmast staysail. Ship rolling with 6 sec. period. Rough sea. Max. roll to port 35° to starboard 28°. At 9.30 went to Quarters for muster. Divine services was not held on account of inclement weather. Banked fires in boilers A.C.&D.

W. W. Paton
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast cloudy and cool. Fresh breze from W. by S. backing to West, and coming in puffs last hour. Barometer falling. Ship on course S.81°E. by Standard compass, under foretopmast staysail, foresail, and the four main topsails and t'gallant sails. Ship rolling deeply at times to a moderate sea from W.S.W. Greatest roll to leeward, 25°. Log 0 to worm pipe.

George N. Hayward
Lieut. U.S.N.

4 to 6 P.M.

Overcast cloudy & cool. Fresh breezes from W.N.W. to W. Steering (p.S.C.) S.81°E. Ship under square sail to t'gallant sails, also jib and trysail and foretopmast staysail. At 5 called all hands, close reefed topsails, took two single reefs in foresail, furled jib and t'gallant sails. Set up fore storm staysail and storm main trysail. Ship rolling. Avg. roll 30° 6 pr min. Pumped braces were put on weather topsail and lower yard arms.

E. L. Beach Lieut. U.S.N.

6 to 8 P.M.

Overcast, cloudy & raw. Stiff to moderate W.N.W. by breeze. Barometer lowering & falling slowly. Ship rolling 6 pr min to sea on starboard quarter, 220 port Avg 5° starboard. On course S.81°E. (p.S.C.) log 135 at end of watch, under close reefed topsails, close reefed foresail, foretopmast staysail & trysail.

Ralph Earle
Ensign U.S.N.

Examined and found to be correct.

E. F. Lefler
Lt.
Navigator.

4—996

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Making passage from New London Conn. to Point a Petre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1	2	7	59.4	S 31° E	N.N.W.	3			29.17	58	46	44	58	ncm		NW	10	N
2	2	9	62.3	"	"	3-4			29.17	59	46	44	58	ccmy	"	"	10	"
3	3	2	65.5	"	"	3			29.15	59	45	44	58	ccm	"	"	10	"
4	3	9	69.4	"	"	3			29.14	58	45	44	58	ncm	"	"	10	"
5	4	4	73.8	"	"	3-4			29.05	58	46	45	60	"	"	"	10	"
6	4	7	78.5	"	N.N.W. by N.	4			29.04	60	46	45	67	"	"	"	10	"
7	4	5	82.0	"	"	4			29.03	60	47	46	60	"	"	"	10	"
8	5	4	87.4	"	"	5-6			29.03	60	48	46	66	bc p.	"	"	9	"
9	6	6	93.0	"	N.W.	6			29.03	62	49	47	67	"	"	"	9	"
10	6	—	1 —	"	"	6			29.10	62	49	47	67	"	"	"	8	"
11	6	5	7.5	"	"	6			29.12	62	49	47	65	"	"	"	8	"
Noon.	6	6	14.1	"	"	6			29.10	60	48	47	65	"	"	"	8	"

Position at 8 A. M. { Latitude by [illegible] 38° 1' 36" N Neg Lunar
Longitude by [illegible] 67° 47' 30" W Pond Aft.

Position at noon: { Latitude by observation 37° 40' 0" N 64-63 61-69
Longitude by observation 67° 28' 48" W
Latitude by D. R. 37° 42' 36" N
Longitude by D. R. 67° 43' 07" W.

Course made good since preceding noon: S 46° E

Distance made good since preceding noon: 129 miles.

Distance by Log since preceding noon: 117.8 miles.

Current per hour: 0.5 miles, set S 78° E true.

Position at 8 P. M. { Latitude by 37° 7' 18" N
Longitude by 66° 57' 48" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, tons, 1520 lbs.

Coal remaining on hand at noon, 174 " 5-21 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, as to 10.	State of the Sea.
P. M.																		
1	6	2	21.3	S 31° E	N.N.W.	5-6			29.10	56	49	47	68	Lcpg	bcN	NW	9	M
2	7	2	27.5	"	N.W. by W.	5-6			29.10	56	50	48	66	clay	"	"	10	"
3	6	3	33.8	"	"	5-8			29-11	56	48	47	67	ccgr	"	"	10	"
4	5	2	39.0	"	"	5-8			29.11	56	49	48	66	"	"	"	10	"
5	5	1	44.1	"	W by N.	4-7			29.21	56	49	48	66	ccgdl	The same	"	9	"
6	4	8	49.9	"	W.N.W.	4-7			29.23	57	48	48	66	"	"	"	9	"
7	5	0	55.9	"	N.W. by W	5-6			29.24	57	50	48	66	bcgdl	Dust	W	9	"
8	4	3	59.2	"	W.N.W.	5-6			29.29	57	51	48	66	"	"	"	7	"
9	5	9	62.5	"	W.N.W. by W.	4-8			29.32	62	50	48	66	"	"	NW	9	CR
10	5	1	68.6	"	"	4-8			29.35	65	50	48	66	"	"	"	8	"
11	4	5	73.1	"	"	4-8			29.37	68	50	48	66	bcgrdl	"	"	8	"
Mid.	4	9	78.0	"	"	4-8			29.35	69	50	48	66	"	"	"	8	"

under the command of Commander R. S. Davenport, U. S. Navy,

Monday January 28th, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM – Overcast and cool with steady moderate rains last three hours. Gentle breze from W.b.N. in squalls second hours. Ship rolling. Only 1 moderate swell from W.b.N. Banked fires in 4 boilers.

George N. Hayward, Lieut. U.S.N.

4 to 8 AM – Overcast, cloudy and misty. Gentle breze from W.b.N. increasing to moderate to fresh breze from S.W.b.W. last three hours. Under close reefed topsails and second reefed foresail and foretopmast staysail and main trysail. Shook reefs out of topsail and foresail between 7 and 8. Entered Gulf Stream between 5 and 6, steering S 31° E. At 5:30 hauled up trysail. At 8 hauled down foretopmast staysail. Did not send boys over mast head because of bad weather. Ship rolling easily to moderate swell from W.b.S. Distilling.

E. L. Beach. Lieut. U.S.N.

8 AM to Meridian –

Cloudy and squally. Freshest Wly breze. Barometer stopped falling and began to rise. Distilling. Ship rolling 22° each side 6 per min. At following sea. At 9:30 went to quarters and held setting up exercises. Held routine drills and instructions 1st and 2nd periods. The Captain assigned following punishment: J. H. Berryhill Yeo 1 Cl, absent from his station and duty, 4 days restriction proper authority, 4th Class 4 months. Set foretop gallant sails at 10:10. At end of watch under topsails, foresail 1 trysail gallantsail and foretopmast staysail. On course S 31° E [& S.C.] Log 141

Ralph Earle, Ensign U.S.N.

Meridian to 4 PM –

Cloudy and stormy. Heavy squalls of wind and rain from W.b.N. to S.W.b.W. Ship rolling heavily to quartering sea. Max roll to port 30° to Starb. 20°. Barometer low and rising slowly. At 2:30 took in and furled top gallant sails and closed down top sails. Called all hands at 2:40 and both close reefs in top sails and foresail. On course S 31° E, At end of watch under closed reefs top sails and foresail. Had routine drills during afternoon drill period. Distilling.

N. Baker Lieut U.S.N.

4 to 6 PM

Overcast and cool with occasional patches of blue sky. Frequent light rains in the squalls and once heavy hail. Fresh to moderate breezes from W.b.S. to W.b.N. in fresh squalls. Barometer rising rapidly. Ship rolling heavily to a heavy swell from W.b.N. greatest rolls about 25° each way. Under foretopmast staysail and close reefed foresail and fore and main topsails. Banked fires in 4 boilers. Set rolling battles on lower yards and put jiggers on topsail lifts. On course S 31° E. [& S.C.]

George N. Hayward, Lieut. U.S.N.

6 to 8 PM.

Generally cloudy with some blue sky. Bright moonlight. Fresh to stiff breezes from W.b.N. to W.b.W. Steering [& S.C.] S 31° E. Under foretopmast staysail, close reefed foresail and close reefed fore and main topsails. Ship rolling deeply at times. Max 30° each side. 6 per mins.

E. L. Beach. Lieut. U.S.N.

8 to Midnight –

Occasionally cloudy with passing rain squalls. Moderate to fresh W.b.N. to W.b.W. breezes blowing in heavy squalls. Barometer rising. Ship rolling heavily, 30° each side 6 per mins. to following sea. Under sail as in previous watch. On course S 31° E [& S.C.] Log 180 at end of watch.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper, Lt. Navigator.

4–205

LOG of the UNITED STATES *Training Ship Essex* **3rd Rate,**

Making Passage from New London to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10=1.	State of the Sea.
A. M.																		
1	4	8	82.9	S 3° E	S by W	5-8			29.30	62	51	50	68	b a g l	Cu-S.	NW	7	M
2	5	0	87.9	"	W.S.W.	5-9			29.31	62	51	50	66	b c v g l	"	"	9	"
3	5	1	93.0	"	W by W	5-8			29.40	61	51	49	66	"	"	"	9	"
4	4	8	97.8	"	W.S.W.	5-9			29.37	62	51	49	65	a c v g l	"	"	10	"
5	5	0	2.8	"	"	5-8			29.47	62	52	49	66	b c h g f	S.Cu	NW	9	M
6	5	5	8.3	"	"	5-8			29.52	62	52	49	62	b c g p l	"	"	7	"
7	5	7	14.0	"	"	5-8			29.52	62	52	49	62	"	"	"	6	"
8	5	4	19.4	"	"	5-8			29.52	62	52	50	62	"	"	"	5	"
9	6	3	25.7	"	W by W	7-9			29.62	61	52	51	62	a c v g	Cu-S	NW	10	"
10	5	7	31.5	S 61° E	"	4-5			29.62	62	54	51	66	b c g f	"	"	8	"
11	5	5	37.4	"	"	5-7			29.65	63	55	53	65	"	"	"	7	"
Noon.	5	5	42.9	"	W	6-7			29.66	62	57	56	67	b c g	"	"	7	"

Position at 8 A. M.: Latitude by D. R. — 36° 22' 30" N. Mag. — Temp. Off 62-60
Longitude by D. R. — 65° 34' 30" W. Good.

Position at noon: Latitude by observation — 36° 7' 4" N. 66-64
Longitude by observation — 65° 18' 0" W.
Latitude by D. R. — 36° 13' 30" N.
Longitude by D. R. — 65° 32' 45" W.

Course made good since preceding noon: S 81° E

Distance made good since preceding noon: 140 miles.

Distance by Log since preceding noon: 128 miles.

Current per hour: 0.66 miles, set S 66° E true.

Position at 8 P. M.: Latitude by — 35° 50' 22" N.
Longitude by — 64° 18' 30" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 1820 lbs.

Coal remaining on hand at noon, 174 " 521 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10=1.	State of the Sea.
P. M.																		
1	7	3	50.2	S 61° E.	N. W.	6			29.68	61	55	53	65	b c g	Cu-S	NW	6	M
2	6	5	56.3	"	"	5			29.70	61	56	52	65	"	"	"	7	"
3	6	4	62.1	"	"	6			29.70	60	54	52	65	"	"	"	6	"
4	6	1	68.2	"	N.N.W.	6			29.71	61	54	51	65	b c h g v	"	"	6	"
5	5	0	73.2	"	N.W. by W.	6			29.80	61	54	51	68	b c g v	"	"	7	"
6	5	8	79.0	"	"	5-6			29.85	65	58	51	68	"	"	"	7	"
7	5	6	84.6	"	"	5-7			29.92	66	54	53	65	"	Su	"	8	"
8	6	0	90.6	"	"	5-7			29.92	68	54	53	68	"	"	"	9	"
9	4	9	95.5	"	"	6-8			29.94	68	54	52	68	"	"	"	8	"
10	5	2	100.7	"	"	6-8			29.97	67	52	52	68	"	"	"	9	"
11	5	0	5.7	"	"	6-8			29.99	65	53	53	68	"	"	"	8	"
Mid.	6	5	12.2	"	"	6-8			30.02	64	55	54	69	"	"	"	7	"

under the command of Commander P. G. Davenport, U. S. Navy,

Tuesday January 29th, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.— Cloudy and stormy. Frequent and hard squalls from W. by W. to W.S.W. with rain and lightening. On course S. 31° E. under close reefed topsails, close reefed foresail and fore topmast staysail. Ship rolling deeply to long quartering swell with 6 & 7 seconds period. Max roll Stark 32° Port 36°. Barometer rising.

4 A.M. to 8 A.M. W.T. Gordon Lieut. U.S.N.

Cloudy with frequent large patches of blue sky and light rain squalls. Stiff breezes from W.S.W. with frequent heavy squalls with rain. Steam with hoisted fire in 4 boilers. Ship rolling deeply & heavy spells from W.N.W. Starboard rolls about 25° each way.

8 A.M. to Meridian Geo. N. Halyburton Lieut. U.S.N.

Partly cloudy, occasional rain squalls. Blowing fresh from W. by W. & W.N.W. Moderate gale from W.N.W. by W. between 8 and 9. Barometer rising slowly. Running S. 31° E. (Var. 15° E.) until 9 when changed course to S. 61° E. (Var. 15° E.) Dist. by log 35.7. Under foretopmast staysail, close reefed foresail and close reefed fore and main topsails. Between 9 & 10. Shook reef out of foresail and close reefs out of topsails. Between 10 and 11 shook out all reefs of topsails. Between 11 and 12 set clocks ahead 11 minutes. Punishment awarded by Commanding Officer. W. Mackessel, Lds. below turned in his hammock during his watch on deck with close 2 months. During two drill periods apprentices were instructed in duties at look outs at various stations. Ship rolling deeply at times. Max 35° to heavy W.N.W. sea.

Noon to 4 P.M. E. L. Beach Lieut. U.S.N.

Generally overcast and raw with heavy squalls of wind & rain. Stiff to fresh W.N.W. to N.N.W. breezes. Barometer rising. Ship rolling heavily to following sea 6 to 8 min. 30° each side. Held routine target practice with gallery rifle from 8 to 8:30. Passed small quantities sea weed. Ship under topsails foresail and foretopmast staysail. On course S. 61° E. Dist. by log 62½ at end of watch. Ralph Earle, Ensign U.S.N.

4 to 6 P.M.— Generally cloudy and squally. Stiff to very fresh breezes in squalls from N.W. by W. On course S. 61° E. Dist. 86 under topsails foresail and foretopmast staysail sail. Ship rolling to following sea. Max roll 32° Port 29° Stark. Passing small bits of sea weed. At 5:30 hove to quarters for muster and took a reef in topsails. Barometer rising. 6 to 8 P.M. W.T. Gordon Lieut. U.S.N.

Cloudy, cool with frequent heavy rains in squalls. Stiff breeze with fresh squalls from W.N.W. by N. Barometer rising rapidly. Banked fires in boilers C. Under fore topmast staysail and foresail, and single reefed fore and main topsails. Ship rolling & in heavy swell. Shipped sea over forecastle. Max roll 32° Port 29° Stark. Passing small bits of sea weed. At 8 P.M. hove to quarters for muster and took a reef in topsails. Barometer rising. 8 to 12 Midnight. Geo. N. Halyburton Lieut. U.S.N.

Cloudy and cool with occasional patches of blue sky and bright moonlight. Fresh breezes from W.N.W. to W. increasing at times to heavy squalls amounting to moderate gales. Ship following sea. Much rain at frequent intervals. Running S. 61° E. Var. 15° E. Under foretopmast staysail foresail and single reefed fore and main topsails. Ship pitching and rolling heavily. Max roll 35°

E. L. Beach Lieut. U.S.N.

Examined and found to be correct.

J. T. Leiper Navigator.

4—356

LOG of the UNITED STATES *Training Ship Essex.* 3d Rate,

Making Passage from New London Conn to Pond a Piter

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb	TEMPERATURE. Air, Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, as 1 to 10.	State of the Sea.
A. M.																		
1	7	4	19.6	S 61° E	N N	7			30.02	65	55	55	69	ba	Cu N	NW	8	SH.
2	8	7	35.5	"	"	6			30.03	65	56	55	69	"	"	"	9	"
3	6	0	41.5	"	"	5-6			30.03	61	56	56	67	bcgs	"	"	8	M
4	5	7	47.2	"	NW by W.	5-6			30.05	66	56	56	67	"	"	"	9	"
5	5	3	52.5	"	"	4-6			30.08	66	56	56	67	bcgf	"	"	7	"
6	5	0	57.5	"	"	4-6			30.11	66	56	56	67	"	"	"	9	"
7	5	0	62.5	"	"	4-6			30.12	66	57	57	69	"	"	"	6	"
8	5	2	67.7	"	"	4-6			30.14	64	57	56	69	"	"	"	8	"
9	5	4	72.1	"	"	4-5			30.17	66	59	56	69	bcgs	Sc	"	9	"
10	5	3	77.0	"	"	4-5			30.19	66	59	56	67	"	"	"	9	"
11	4	3	82.3	"	"	3			30.19	66	58	56	67	bcs	"	"	9	"
Noon.	3	8	87.1	"	N N.	4			30.19	66	58	56	67	"	"	"	9	"

Position at 8 A. M. { Latitude by D R — 38° 27' 28" N — Mag — Temp
Longitude by D R — 62° 45' 15" W — Pilot — Obs
Position at noon: { Latitude by observation — 38° 9' 41" N — 66-65 — 66-62
Longitude by observation — 62° 32' 45" W
Latitude by D. R. — 38° 21' 4" N
Longitude by D. R. — 62° 42' 0" W

Course made good since preceding noon: S 17° E.

Distance made good since preceding noon: 15.0 miles.

Distance by Log since preceding noon: 133.2 miles.

Current per hour: 0.7 miles, set S 48° E true.

Position at 8 P. M. { Latitude by D R — 38° 0' 45" N
Longitude by D R — 62° 2' 30" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 1820 lbs.

Coal remaining on hand at noon, 171 " 2161 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb	TEMPERATURE. Air, Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, as 1 to 10.	State of the Sea.
P. M.																		
1	4	0	91.1	S 61° E	W N by W.	2-4			30.17	67	59	57	67	nc	Cu N	NW	10	M
2	3	3	94.4	"	"	3-4			30.15	67	60	58	66	"	S Cu	"	10	"
3	3	6	98.0	"	"	2-4			30.16	67	60	58	66	"	Cu S	"	10	"
4	3	7	99.7	"	"	3-4			30.18	64	60	59	66	"	"	"	10	"
5	3	0	94.7	"	"	3			30.18	64	60	58	66	bc	"	"	7	"
6	2	0	96.7	"	"	2			30.20	65	60	56	66	"	"	"	7	"
7	3	5	100.2	"	"	3			30.22	65	60	57	66	bcg	"	"	7	"
8	2	6	2.7	"	S W. by W	2-1			30.24	65	60	58	65	"	"	"	6	"
9	0	0	1.9	"	S W.	1			30.22	64	58	57	65	bc	Ci Cu	N W	4	"
10	0	7	2.6	"	S W by S	2			30.22	64	58	57	66	"	Ci Cu	N W	6	"
11	0	3	2.9	"	"	2			30.20	65	59	58	66	"	Ci Cu	"	6	"
Mid.	1	1	4.0	"	S S. W.	2			30.18	66	61	59	67	"	Cu	S W.	6	"

4—26

under the command of Commander R G Davenport, U. S. Navy,

Wednesday January 30, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 A.M.

Generally cloudy with passing squalls of wind and rain. Stiff to fresh N Wly to N W by Wly breeze. Barometer rising. Moon set at 3:00. Ship rolling 6 pr min. to following seas 20° each side. Sighted a vessels green light on starboard beam at 3:45. Ship under single reefed topsails, forsail and fortopmast staysail, on course S 61° E [pr S C] Log 3 1/2 at end of watch.

Ralph Earle, Ensign U.S.N.

4 to 8 A.M. — Generally cloudy and stormy. Passing squalls of wind. Moderate to fresh breeze from N Wly to W. Barometer rising. Ship rolling and pitching easily to following swell. Passing small clumps of seaweed. On course S 61° E [pr S C] under single reefed topsails forsail and fortopmast staysail until 7:45 when shook the reefs out of topsails.

W B Wells Jr. Lieut U.S.N.

8 A.M. to Meridian.

Cloudy with frequent rains. Moderate breeze to stiff squalls from N Wly to W. first two hours, then falling to gentle and moderate breeze and hauling to N W. Barometer rising. Ship rolling at times deeply to a moderate sea and swell from N W. At 9:15 took in fortopmast staysail for repairs and set the jib. At 10:30 set the top gallant sails. At end of watch under jib, foresail, and fore and main topsail and top gallantsails. From 12 to 4 sighted a sail bearing about N by W. Banked fires in A boiler. At 1:30 inspected at quarters and had routine drills for first and second periods. Set clock ahead 12 minutes.

George N. Hayward Lieut U.S.N.

Merid to 4 P.M. — Overcast and cloudy. Gentle to moderate breeze from N W by W Barometer steady. Steering pr S.C. S 61° E. Ship under square sail to topgallant sails, except mainsail, less jib. At 2 set royals, hauled down jib and set fortopmast staysail. At 1:30 secured drill call and until 2:15 drilled apparatus in battalion formation, also organized for area and away. Ship rolling deeply at times, to moderate following seas. May roll 30° to port, 6 pr min.

E L Beach Lieut U.S.N.

4 to 6 P.M. — Cloudy and squally. Light to gentle N W by W breeze. Barometer rising. Ship rolling 6 pr min. 10° each side to following seas. At 4:30 went to quarters after which held sail drill until 5:15 at its close having a reef in topsails and royals furled. On course S 61° E [pr S C] under fortopmast staysail, forsail single reefed topsails and topgallant sails, log 96.7 at end of watch.

Ralph Earle, Ensign U.S.N.

6 to 8 P.M. — Cloudy and hazy to clearing. Gentle breeze from N W by W following to light airs from S Wly W. On course S 61° E [pr S C] under topgallantsails, single reefed topsails and fortopmast staysail. At 7:30 set spanker topsail and jib. Barometer rising. Ship rolling easily to following swell. May roll 10° to port 12° to Starb. Bright moonlight after 7:15 P.M.

W B Wells Jr. Lieut U.S.N.

8 P.M. to Midnight — A fine bright moonlight night with clouds moving over from S W. Light airs from S W by W hauling to S S W. and increasing to light breeze. Ship rolling to a moderate following cross swell. Barometer falling. Steam with banked fires in A boiler. Apparently has error in reading of patent log. At 8:30 hailed up spanker and main topsail. Ship under plain sail [illegible] sails and jib except spanker and topsail.

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Larkin Navigator.

Lt.

4—96

LOG of the UNITED STATES Training Ship Essex 2nd Rate,

Making Passage from West London Comd to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each by 12.	State of the Sea.
A. M.																		
1	3	9	7.9	S 65° E	S by W	3-4		½	30.14	66	66	60	66	b c	Cu	St	6	M
2	4	3	14.2	S 61° E	S.S.W.	4		½	30.14	66	66	60	66	"	"	"	6	"
3	4	6	18.8	"	"	4-5		½	30.15	66	63	60	66	"	"	"	7	"
4	4	7	23.5	"	"	4-6		½	30.15	66	63	60	66	"	"	"	6	"
5	5	0	28.5	"	S.W.	5		½	30.17	66	63	60	66	b c	"	"	10	"
6	5	7	33.2	"	"	5		½	30.17	66	64	62	66	"	"	"	10	"
7	5	6	38.8	"	"	5		½	30.17	66	65	62	66	"	"	"	10	C
8	6	9	44.7	"	"	5	5°	½	30.19	66	66	63	66	"	"	"	10	C
9	6	5	51.2	S 56° E	"	5	7°	½	30.20	66	66	63	66	"	"	"	10	C
10	5	8	57.0	"	"	6			30.20	66	66	64	66	"	"	"	10	C
11	4	0	61.0	"	"	6		½	30.16	66	65	64	66	"	"	"	10	C
Noon.	4	1	65.1	"	"	6-7		½	30.15	66	65	64	66	"	"	"	10	C

Position at 8 A. M.: Latitude by D. R. 34° 49' 39" N. Mag Comp
Longitude by D. R. 61° 6' 3" W Mag Corr

Position at noon: Latitude by observation 34° 49' 9" N. 65-63 65-64
Longitude by observation 60° 8' 12" W
Latitude by D. R. 34° 43' 0"
Longitude by D. R. 60° 43' 57"

Course made good since preceding noon: S 77° E

Distance made good since preceding noon: 94.5 miles.

Distance by Log since preceding noon: 89.0 miles.

Current per hour: 0.42 miles, set N. 52° E true.

Position at 8 P. M.: Latitude by D. R. 34° 47' 36" N.
Longitude by D. R. 59° 57' 12" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 1540 lbs.

Coal remaining on hand at noon, 171 " 641 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each by 12.	State of the Sea.
P. M.																		
1	4	8	69.9	S 53° E	S W by S	5	5°	1½	30.09	69	67	69	66	b c	Cu	St	9	Cb
2	4	9	74.8	"	"	5	5°	2 "	30.09	69	68	65	66	"	"	"	9	"
3	5	6	80.4	S 52° E	S.S.W.	6	5°	2 "	30.07	67	66	68	66	c	"	St	10	"
4	5	4	85.8	"	"	5	5°	2 "	30.06	69	66	63	66	b c	Cu	"	9	"
5	3	7	89.5	S 54° E	S W by S	6	7-0	2 "	30.06	67	66	63	66	c	Cu	St	10	M
6	2	3	91.8	"	"	6	7-0	2 "	30.06	67	66	62	66	"	"	"	10	"
7	1	7	93.5	"	"	6	7°	2 "	30.06	67	66	63	66	"	"	"	10	"
8	1	8	97.1	"	"	6	7°	2 "	30.07	69	66	64	66	b c	Cu	"	7	"
9	1	8	97.1	S 50° E	"	6	7°	2 "	30.05	69	67	65	66	"	"	"	7	"
10	2	0	99.1	S 52° E	"	6	7°	2 "	30.03	69	66	65	66	"	St Cu	"	7	"
11	2	0	99.1	"	"	6-7	7°	2 "	30.03	68	65	64	66	beg	"	"	9	"
Mid.	2	7	101.8	"	"	6-7	7°	2 "	30.03	68	65	64	66	"	St M	"	9	M

4-76

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday 31 , 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy and pleasant. Gentle to stiff breeze from S by W. to S.S.W. Course desired S 60° E [per S.C.] Ship full and by, steady making her course. Under all plain sail to topgallant sails and jib, except mainsail, main topsail & spanker. Ship rolling and pitching easily. Pipes sounded in boiler C.

E. Beach Lieut. U.S.N.

4 to 8 A.M. Overcast and cloudy. Stiff S.W.ly breeze. Barometer rising. Ship steady with heel of 5° to port. At 4.45 set topsail and spanker. At 5.00 mustered and sent apprentices of the watch over the masthead. At 6.45 shook the reefs out of the topsails. At end of watch under square sail to topgallant sails and fore and aft sail except main topmast staysails and flying jib, on course S 61° E [per S.C.] by std. comp. 4 to Meridian.

Ralph Earle, Ensign U.S.N.

Overcast, cloudy and hazy. Stiff to fresh S.W.ly breeze. On course S 61° E [per S.C.] under topgallant sails, foresail jib and fore topmast staysail. At 8.30 A.M. took in and furled topgallant sails. At 9.30 went to general quarters, at 9.55 secured. At 9.50 took in fore topsail the lee leech having carried away. At 10.00 called all hands and shifted fore topsail. At end of watch under jib fore topmast staysail, foresail and double reefed topsail. Bunting new main topsail. 2 Stokers, A.B.'s, placed in S.C. on B & M for 7 days by order of Commanding Officer for deliberately lying. Barometer falling slowly. Surveying chain and securing anchors.

W. W. Brown Lieut. U.S.N.

Noon to 4 P.M. — Cloudy, cool, and smoky weather. Stiff breeze increasing to fresh breeze for third hour, from S.W. by S. hauling to S.S.W. last two hours. Barometer falling. At 2.30 instructed all the apprentices in the etiquette of the quarter deck and in the gear of the light sails. At 1.30 set the topsail. At 12.00 changed course to S 60° E by standard compass, but at 2.00 the wind heading they she made good the course of S 60° E [per S.C.], by the wind. Under the jib, fore topmast staysail, main topsail, and double reefed fore and main topsails. Having completed Setting the high-pressure slipper block of the main engine to the cross head, steamed over the engines both ways under steam, uncoupled. Got the anchors on the bows. Steam supplied by launch from U.S. tender Hist 6 P.M.

George N. Halpin Lieut. U.S.N.

4 to 8 P.M. Cloudy & cool. Stiff breeze from S.W. by S. Barometer steady. At 4.30 went to quarters. Then called all hands. Reefed topsails, close reefed topsails & foresail, hauled down and stowed jib and under this sail and main topsail to end of watch. Course S 60° E [per S.C.] Close hauled on starboard tack making S 60° E [per S.C.] good. Ship rolling and pitching easily.

E. Beach Lieut. U.S.N.

6 to 8 P.M. Cloudy & cool. Fresh S.W. by S. breeze. Barometer rose slightly. Ship pitching with heel of 7° to port. Moonlight. Under sail as in previous watch, full and by on starboard tack making S 60° E [per S.C.] log 903 at end of watch.

Ralph Earle. Ensign U.S.N.

8 PM to Midnight — Generally cloudy and hazy with moonlight. Overcast at end of watch. On course S 60° E [per S.C.] under close reefed topsails, close reefed foresail, fore topmast staysail and trysail. Fresh breeze from S.W. by S with rising sea. Ship steady with 7° heel to port. Barometer fell slightly first hour of watch. Applied test on lee side of poop for mizzles patent.

W. W. Brown Lieut. U.S.N.

Approved

Richard G. Davenport Commander U.S.N. Commanding

Examined and found to be correct.

E. F. Leeper Lt. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex 3d. Rate,

Making Passage from New London Conn to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount, Answer.	State of the Sea.
A. M.							0.8								Ci & Cs			
1	2	8	4.6	S 50° E	S.S.W.	6	5-	2pt	30.01	68	66	65	66	C.	Cu N		10	R
2	3	1	7.7	S 52° E	"	6	7-	2 "	29.99	69	67	65	66	"	"		10	"
3	2	9	10.6	"	"	7	7-	2½ "	29.95	70	67	66	66	"	"		10	"
4	2	9	13.5	S 54° E	"	7	7-	2½ "	29.95	70	67	65	66	"	"		10	"
5	2	7	16.2	S 54° E	"	7	7-	2½ "	29.90	70	66	64	66	sc	"		10	"
6	2	5	18.7	S 50° E	"	7	7-	2½ "	29.90	70	66	65	66	"	"		10	"
7	1	8	20.5	"	S.S.W. by S	7	7-	2½ "	29.80	70	67	65	66	sct	"		10	"
8	3	3	23.8	"	"	7	7-	2½ "	29.87	70	67	65	66	"	"		10	"
9	1	4	25.2	S 52° E	S.S.W.	7-8	9-	3 "	29.87	70	67	66	66	scg N	W	S.W.	10	"
10	2	8	27.0	"	"	7-8	9-	3 "	29.87	70	67	67	66	"	W	"	10	"
11	2	0	30.0	S 52° E	"	8-10	10	4 "	29.87	70	67	66	66	scg N	W	"	10	"
Noon.	2	0		S 45° E	S.S.W.	8-10	9	4 "	29.83	70	65	65	66	"	W	"	10	"

Position at 8 A. M. { Latitude by DR / Longitude by DR } 34° 46' 0" N. (Mag. Trav.) 59° 19' 54" W. (Mag. Trav.)

Position at noon: { Latitude by observation / Longitude by observation } ° ' " (66-64) (64-63)

Position at noon: { Latitude by D. R. 34° 49' 36" N. / Longitude by D. R. 59° 10' 0" W.

Course made good since preceding noon: S 87° E

Distance made good since preceding noon: 68.9 miles.

Distance by Log since preceding noon: 68.9 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by DR / Longitude by DR } 34° 40' 24" N. / 59° 16' 27" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1950 lbs.

Coal remaining on hand at noon, 170 " 981 "

P. M.																		
1				S ½ E	W.S.W.	5-7	9	8	29.80	70	65	65	66	scgr	W	S.W.	10	R
2				S by W.	W	6-6	9	8	29.76	69	65	65	66	"	Str N.	"	8	"
3				S.W.	W.W. by W	8	9	8	29.75	67	65	66	65	b.c.g.	"	W.W.	6	"
4				W.S.W.	"	8	9	8	29.74	67	66	66	66	"	"	"	8	"
5	0	5		"	W.W.	6-7	6	8	29.77	67	66	64	65	"	Cu N.	W.W.	7	CR
6	0	5		"	"	7-8	6	8	29.79	66	66	64	65	"	a Cu	"	7	"
7				"	"	9	6	8	29.82	65	64	63	65	"	S Cu	"	7	"
8				"	"	7-9	6	8	29.83	65	63	61	65	b.c.g.	"	"	7	"
9	2	0		"	"	8	6	6	29.85	65	62	61	65	"	"	"	8	CR
10	1	6		"	"	8	6	6	29.84	65	62	61	65	"	"	"	8	"
11	1	6		"	"	8-11	6	6	29.81	64	58	56	65	a r t l y	Cu Nim	"	10	"
Mid.	1	6		"	"	8-9	6	6	29.80	64	58	57	65	sc	"	"	10	"

4-245

under the command of Commander R G Davenport, U. S. Navy,

Friday 1st, 1904.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM — Cloudy and cool with an obscured moon. Fresh breezes from S.S.W. increasing in force. Barometer falling. Ship under foretopmast staysail, main topsail and close reefed foresail and forward main topsails, pitching fore and aft in a heavy cross sea. Steering S.W.E by standard compass at end of watch. Ship pitching deeply at times rolling deeply to a rough S.S.W. sea. Steam with banked fires in 2 boilers. Geo. N. Hayward Lieut. U.S.N.

4 to 8 AM — Overcast and cloudy. Dragging rain last hour. Fresh breezes from S.S.W. to S.W.b.S. Barometer falling slowly. Ship under close reefed foresail and forward main topsails and foretopmast staysail and trysail. Course steered S 60° E [S 8 C] Fires and log, and making course good last three hours. Ship rolling deeply at times to rough S.S.W. sea. Did not send apprentices over masthead because of bad weather. E. F. Leach, Lieut. U.S.N.

8 to Meridian — Overcast and cloudy with heavy rain. Fresh breezes increasing to gale from S.W.b.S to S.S.W. Barometer falling. Ship rolling easily about 10° to port. At 8.45 began distilling using boiler A. At 9.30 mustered at quarters, went to fire quarters all division reporting ready in 2 minutes. Stationed all hands for abandon ship. Took in log reading 30 at 10.45 at 10.30 called all hands, furled foretopsail and foresail, hauled down foretopmast staysail and set fore storm staysail. Brought the ship to on starboard tack. Ship making from S 52° E to S 60° E [S 8 C] during watch. Ralph Earle, Ensign U.S.N.

Noon to 4 PM — Overcast to clearing. Generally moderate gales from W.S.W. hauling to W. by N. Sea choppy and heavy. Ship rolling easily and pitching slightly. May roll to port 22° to start riding to on starboard tack under fore storm staysail. Close reefed main topsail and main trysail. Barometer falling slightly. Tested magazine flood and drain cocks and found same in good condition. Acting appointment of Andrew J. Rimmel, Cox, revoked to date from Jan. 31. 1904. The following acting appointments were issued for six months to the below named persons: A. J. Rimmel, John Anderson, William Ericson, John L. Cunningham, John F. Peters, Frank Springstead, M. Ellis, 3 Cl., John Tyroff, A. R. Ribes, P. Mar. C. E. Hoffman, E. F. Taylor, T. Money, A. Sillsby, A. Hansen, and H. F. Schmidt, Cox's. Bertelson, Ma. 1 Cl. J. E. Wand, Yeo 2 Cl. J. J. Coffey, S. M. 3 Cl. Distilling. M. E. Ellis Lieut. U.S.N.

4 to 6 PM — Cloudy & cool with bright moonlight last part. Fresh breezes from N.W. with one or two heavy puffs. Barometer rising. Ship pitching and rolling deeply to a rough cross sea. Ship lying to on starboard tack under fore storm staysail, close reefed main topsail and double main trysail. Ship drifting leward at speed of about [illegible] knot. Steaming with banked fires in 1 boiler. Geo. N. Hayward Lieut. U.S.N.

6 to 8 PM — Cloudy and cool, bright moonlight. Fresh breezes from S.W. veered to small of wind and rain of short duration, between 7.30 and 8. Barometer rising slowly. Ship lying to on stbd. tack with fore storm staysail, close reefed main topsail and main trysail. Ship rolling and pitching to rough cross sea. Ship heading about W.S.W. and drifting to leeward. Fires handled in 2 boilers a E. F. Leach, Lieut. U.S.N.

8 PM to Midnight — Generally cloudy to overcast with heavy rain third hour. Moderate W.N.W. gale increasing to heavy gale in a squall third hour with thunder & lightning and fresh hour to strong gale. Barometer falling. Moon showing through clouds at times. Ship pitching to heavy sea and rolling 8° at times. Lying to on starboard tack under fore storm staysail, close reefed main topsail and main trysail. Distilling. At 11.00 lighted fires in boiler B. for steaming purposes. Ship making about W.S.W. [S 8 C] Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leach, Lieut. Navigator.

4—765

LOG of the UNITED STATES Training Ship Essex **2nd Rate,**

Making Passage from Wes London Comm to Point a Petre.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1				W. S. W.	W. W by W.	7	5°		29.80	65	57	56	65	Lobg	Cu	NW 3		Sl
2				"	"	10-6	5°		29.85	65	57	56	65	bclgh	Cu N.	"	8	"
3				"	"	10-7	5°		29.93	65	56	55	65	beg Lt	Cu N	"	8	"
4				"	"	P-5	5°		29.93	65	56	55	65	"	"	"	8	"
5	0	7		"	W. W.	6-8	5°	6pt	29.91	64	57	55	65	begLr		"	8	"
6	0	7		"	"	6-8	5°	6 "	29.91	64	57	55	65	begr		"	8	"
7	0	7	Log'd	"	"	6-7	5°	6 "	29.91	64	57	55	65	"		"	8	"
8	0	7		"	"	6-7	5°	6 "	29.96	62	57	55	65	"		"	8	"
9	0	8		W 1/2 S.	"	7-7		7 "	29.96	64	57	55	65	beg	Cu N	"	8	"
10	0	8		"	W. W. by W.	8		6 "	30.00	66	57	55	65	"	"	"	8	"
11	0	8		W by S	"	8		6 "	30.04	65	58	55	65	bc	bCu	"	7	"
Noon.	0	8		"	"	8		6 "	30.06	65	58	56	65	"	"	"	7	"

Position at 8 A. M.	Latitude by D R	34° 24' 12" N Mag Comp
	Longitude by D R	59° 22' 15" W Bost Light
Position at noon:	Latitude by observation	33° 55' 7" N 66-64 67-64
	Longitude by observation	59° 21' 4" W
	Latitude by D. R.	34° 24' 0" N
	Longitude by D. R.	58° 48' 40" W
Course made good since preceding noon:		S 10° W.
Distance made good since preceding noon:		53 miles.
Distance by Log since preceding noon:		188 miles.
Current per hour: 0.78 miles, set S 44° W. true.		
Position at 8 P. M.	Latitude by D R.	33° 47' 20" N.
	Longitude by D R.	59° 33' 36" W.
Variation of compass:		
Error of compass observed at		
Deviation of compass on		
Water expended during the preceding 24 hours,		450 gallons.
Water distilled during the preceding 24 hours,		1200 "
Water remaining on hand fit for use at noon,		1800 "
Coal consumed during the preceding 24 hours,		2 tons, 460 lbs.
Coal remaining on hand at noon,		168 " 471 "

P. M.																		
1	0	6		W. S. W.	W. W. by W.	9-8	11	0	6	30.08	62	57	54	65	beg	Cu S	NW	8	Sl
2	0	6		"	"	9-10	11	0	6	30.09	62	57	56	65	"	"	"	7	"
3	2	0		W by W.	"	9-10	11	0	6	30.10	61	57	57	65	"	"	"	7	"
4	2	2		"	"	8-9	11	0	6	30.10	61	57	54	65	"	"	"	7	"
5	2	1		"	W. W. by W.	8-9	11	0	2	30.14	68	57	54	65	"	"	"	7	"
6	2	1		"	"	8-9	11	0	2	30.14	64	57	54	65	"	Cu N	"	6	"
7	2	0		W W by 1/2 W.	W. W.	7-8	11	0	3	30.14	64	57	54	65	begr	Cu Cu N.	NW	8	"
8	2	0		"	"	7-9	11	0	3	30.15	64	57	54	65	"	"	"	8	"
9	1	6		W by W.	"	7-8	2	0	3	30.18	64	58	55	65	beg	Cu	NW	6	"
10	1	7		"	"	8-9	5	0	3	30.18	65	58	56	65	"	Cu S	"	7	"
11	1	6		W by W.	"	8-9	5	0	3	30.19	65	58	56	65	"	Cu	"	7	"
Mid.	1	6		W.	"	8	—		3	30.19	68	58	56	65	bc	"	"	6	"

under the command of Commander R. S. Davenport, U. S. Navy,

Saturday Feb 4, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 PM — Generally cloudy & overcast. Strong gales from NW by W. with occasional hails alternating with violent squalls of wind and rain. Ship lying to on starboard tack heading W.S.W. under fore storm staysail, close reefed main topsail and main trysail. Ship rolling and pitching easily but lying clearly. May roll to port 35° to starb'd 18° Barometer rising. Steam on boilers A & D. Distilling.

W. H. Clinton Lieut. U.S.N.

4 to 8 P.M. — Cloudy cool and smoky with lightning and occasional heavy rain squalls and others passing. Fresh breezes with heavy to very heavy squalls from N.W. Barometer fell, then rising. Ship lying to under a close reefed main topsail, the fore storm staysail and the main trysail. Ship generally heading about W.S.W. going through the water at a speed of about 0.7 knots and a leeway of 6 points. At 4.45 finished coupling up the screw. Steam on A & D boilers. Distilling. Ship rolling to a heavy sea from N.W. A. Nelson, Cox, was thrown [illegible] during and received injuries.

George N. Hayward Lieut U.S.N.

8 PM to Midt — Generally cloudy & cool. Moderate gale from NW by W. Heavy squall of wind and rain. Between 8 & 9 ship lying to with fore storm staysail, close reefed main topsail and main trysail. Ship heading about W by S for a while, drifting 2 knots and going through water ahead at rate by ship 0.8 knots per hour. Ship rolling and pitching deeply to heavy sea. May roll 40° to port. Morning routine omitted because of heavy weather. Steam on boilers A & D. Distilling. Apprentice Steps prepared from anchorage by order of Commanding Officer. [illegible] Apprentice Steps, U.S.S. Ship in his charge, during his watch on deck, continues 4th class 2 months.

E. L. Beach Lieut U.S.N.

Midnight to 4 PM — Cloudy & cool. Strong gales to gale from NW by W. Barometer rising. Ship rolling and pitching easily, at times 40° to port. Stopped distilling at 1.45. At 1.30 set storm riggin. A heavy sea broke over the gripes of the 4th cutter, and the boat was secured by lashings. Took in main trysail at 1.40. Went ahead on engines at 1.45. Got sea anchor ready for use. Battened down hatches. Ship lying to under fore storm staysail, trysail, storm riggin and steam. Making from NW by W. last half hour. Av. steam 48. Av. revolutions 27.8

Frank Evans, Ensign U.S.N.

4 to 6 PM — Cloudy & fair. Wind to strong gales from NW. by N. Barometer rising slowly. Ship rolling & pitching irregularly to heavy head sea. May roll to port 36° to starboard 16°. Lying to on starboard tack under steam on two boilers with fore storm staysail. Main trysail and storm riggin set. Av. steam 48. Av. revolutions 26.9.

W. H. Clinton Lieut U.S.N.

6 to 8 PM —

Cloudy and cool with occasional light rain. Bright moonlight. Fresh breezes with heavy squalls from NW. Barometer rising slowly. Heavy steep sea and swell from NW. Lying to on starboard tack under steam and fore storm staysail, main trysail and storm riggin. Engines going ahead slowly. Making good course about NW by W 1/2 W by standard compass. Steam on A & D boilers. Fires under B boiler. Ship pitching and rolling deeply when [illegible] fell [illegible] Av. revolutions 26.4.

8 PM to Midnight — George N. Hayward Lieut U.S.N.

Overcast & cloudy at times with rain squalls. Moderate gale from NW. Lying to with fore storm staysail, main trysail and storm riggin. Hauled down fore storm staysail at 8.20. Took in trysail at 10.30. Steaming and boilers A & D. Started distilling with boiler B at 10.30. Between 10 & 11 ship went about. Bringing sea & wind on port bow. Brought her back. Trying to hold ship head at NW. Av. S. Ex. rev. 26.2

E. A. Ewert Lieut U.S.N.

Examined and found to be correct.

S. F. Le Fevre Navigator.

4—26

LOG of the UNITED STATES *Training Ship Essex* **3rd Rate,**

Making Passage from New London Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	1	2		W. by N	N.W.	8	6-0	2	30.16	67	56	53	65	bcg v	8 Cu	NW	7	M
2	1	3		"	"	8	6-4	2	30.16	67	56	53	65	"	"	"	6	"
3	1	3		"	"	8-9	6-5	2	30.16	67	56	53	65	bcgv	"	"	7	"
4	1	2		"	"	8	6	2	30.16	67	56	53	65	bc	"	"	6	"
5	1	3		"	"	9	7	2	30.12	66	58	54	65	bcgp	Cu N	"	3	"
6	1	8		"	"	9	7	2	30.12	66	58	55	65	"	"	"	4	"
7	1	8		"	"	9	7	2	30.12	67	58	56	65	"	"	"	4	"
8	1	6		"	"	8	7		30.12	66	57	55	65	"	"	"	7	"
9	2	1		West	"	8	7	3pt.	30.16	66	57	55	65	bcgam	Cu Fr Cu	NNW	7	M S
10	2	0		W. & W.N.W.	W.W. by W.	8	7	2½	30.18	66	58	56	65	bcg m	"	NW	4	"
11	2	2		W.N.W.	"	8-9	7	2½	30.17	66	57	55	65	"	"	"	7	"
Noon.	2	0		W.N.W. W½W.	"	7-9	7	1	30.17	66	58	56	65	"	"	"	5	"

Position at 8 A. M. { Latitude by D.R. — 33° 27' 50" N. Way Tempt
Longitude by D.R. — 59° 04' 9" W. Bird left.

Position at noon: { Latitude by observation — 33° 18' 39" N 67 - 66 - 64
Longitude by observation — 59° 22' 27" W
Latitude by D. R. — 33° 33' 32" N
Longitude by D. R. — 60° 1' 22" W

Course made good since preceding noon: S 22° W.

Distance made good since preceding noon: 40½ miles.

Distance by Log since preceding noon: 39.9 miles.

Current per hour: 0.9 miles, set S 47° E true.

Position at 8 P. M. { Latitude by D.R. — 32° 59' " N
Longitude by D.R. — 58° 46' 48" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 25000 "

Coal consumed during the preceding 24 hours, 9 tons, 1760 lbs.

Coal remaining on hand at noon, 156 " 951 "

P. M.																		
1	1	8		W.N.W.	W.W.	7	7	Hpt.	30.14	66	60	56	65	bc	Cu	NW	5	M
2			30.0	"		7-9	7		30.18	66	60	58	65	bc g	Cu N	"	6	"
3	3	9	38.9	S6° W½ S	"	7			30.15	66	59	57	65	bc	"	"	7	"
4	6	6	40.5	"	"	7			30.15	64	59	57	60	"	Cu N	"	7	"
5	7	0	47.5	"	W.W.	7-8			30.12	64	59	58	65	bcg	Cu S	"	9	M
6	6	8	54.3	"	"	7-8			30.14	65	59	58	65	vc ng	Cu N	"	10	"
7	6	5	60.8	"	"	6-7			30.12	66	59	58	65	bcg	Fr Cu	"	3	"
8	6	9	67.7	"	"	7-8			30.09	65	58	58	65	vcgr	Cu N	NNW	10	"
9	6	7	74.4	S 50° E	W by W	7-8			30.09	66	58	58	65	bcgr	Cu Fr Cu	"	8	"
10	7	1	81.5	"	"	7-9			30.07	65	58	58	65	"	"	"	9	"
11	7	0	88.5	"	"	7-9			30.05	65	59	58	65	bcg	"	"	9	"
Mid.	7	5	96.0	"	"	7-9			30.08	65	59	58	65	bcgr	"	"	8	"

4—2-5

under the command of Commander P. S. Davenport, , U. S. Navy,

Sunday Feb. 3 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Moonlight

Cloudy and cool. Moderate to strong W NW'ly gale. Barometer rose slightly. Ship pitching and rolling heavily, at times 30° port to 20° starboard. Lying to on the starboard tack under steam and storm mizzen, making W by W ½ W [p S C] Distilling. Av steam 52°. Av revs 28.

Ralph Earle, Ensign U S N.

4 to 8 AM — Cloudy and stormy. Strong to moderate gales from W. W. Barometer steady during watch. Ship pitching and rolling to heavy sea. Lying to on starboard tack under steam on two boilers and storm mizzen set. Making W by W. [p S C] Distilling. Av steam 50 Av revs 27.

8 to Midday Lieut U S N

Cloudy to fair and hazy near horizon. Moderate gales from W. W. hauling to W.N.W. by N. moderating last hour, and coming out occasional heavy squalls & light showers first hour. Ship pitching and rolling deeply to a heavy sea from W.N.W. Barometer steady. Ship lying to under storm mizzen, on starboard tack, and steaming with boilers A & D and making good at end of watch the course of W N W by W ½ W by standard compass. During last hour ship brought wind on port bow and increased speed of engines for ten minutes to bring her on starboard tack again. Reports that one 3-pdr gun-pound was lost from 6 p.m. to 8 p.m. by dropping out of sling and going [illegible] Steam 50, port pitching 30, Distilling with boiler C.

George N. Hayward Lieut U S N

Midd to 4 P.M. — Usually cloudy, blue sky at times. Fresh breezes from W. W. heavy wind and rain squall between 1 and 2. Lying to under storm mizzen, hulling about W. N. W. [illegible] and 2 furls sea anchor, pitching overboard from weather bow [illegible] found 1 too small and carry 2 on board. engines turning over slowly until 2 when stopped and uncoupled. At 1.50 called all hands "make sail" took in storm mizzen, set foretopmast staysail, shook close reef out of topsail and foresail and proceeded on course S.S.W. E with foretopmast staysail, whole foresail, 1 double reefed fore and main topsails. Put over pat log at 2.30 reading 30. Distilling from boiler B Fires banked in boilers A and D

E. L. Beach Lieut U.S.N.

4 to 6 P.M. — Generally overcast, and rainy. Fresh breezes to moderate gales from W.W. Barometer fell slightly. Ship rolling 6 p.m. 25° each side. Distilling. On course S.S.W ½ W [p S C] under double reefed topsails, foresail and foretopmast staysail, log 243 at end of watch.

Ralph Earle Ensign U.S.N.

6 to 8 P.M. — Overcast and squally. Passing showers of rain. Fresh breezes to moderate gales from W.W. Barometer falling. On course S.S.W ½ W under double reefed topsails, foresail and foretopmast staysail. Ship rolling easily to following sea. Max roll 24° starboard 27° port. Distilling

W.N.Brown Lieut U.S.N.

8 P.M. to Midnight — Cloudy and cool with short rainy. Fresh breezes from W.N.W by W with frequent heavy squalls. Ship pitching and rolling deeply to heavy sea from W.N.W. with occasional dives under. Barometer steady. Ship running before the wind under foretopmast staysail, reefed foresail and double reefed fore and main topsails on course S 30° E by [illegible] and [illegible]. Banked fires in A and D boiler. Distilling from B boiler

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper Lt Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex **2d Rate,**

Making Passage from New London Conn to Port au Prince

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	7	5	5 5	S 30° E	N.W.	7-8			30.08	66	60	60	65	bc cy	Cu N	NW	4	M.
2	7	8	11. 3	"	"	7-8			30.08	65	60	60	65	"	"	"	9	"
3	7	9	19. 2	"	"	7-8			30.09	65	60	59	65	"	"	"	8	"
4	8	0	27. 2	"	"	7-9			30.02	64	60	59	65	"	"	"	9	"
5	8	0	35. 2	"	"	8			30.00	68	62	60	66	cc cy	"	"	10	"
6	8	0	43. 2	"	"	8-9			30.00	68	62	60	65	bc cy	"	"	8	"
7	8	0	51. 2	"	"	8-9			30.00	68	62	60	65	"	"	"	8	"
8	8	0	59. 2	"	"	8			30.00	68	62	60	65	"	"	"	8	"
9	7	5	66. 7	"	"	7-9			30.02	67	61	60	66	"	"	"	9	"
10	7	7	73. 4	"	"	7-8			30.03	67	62	61	66	"	"	"	9	"
11	6	7	80. 1	"	"	7-8			30.05	67	64	63	67	cc cy	"	"	10	"
Noon.	6	8	85. 9	"	"	7-8			30.05	67	64	63	67	bc cy cc	"	"	7	"

Position at 8 A. M. { Latitude by DR — 32° 17' 6" N — May Temp
Longitude by obs — 57° 42' 18" W — Ghed Off.

Position at noon: { Latitude by observation — 31° 57' 0" N
Longitude by observation — 56° 52' 18" W
Latitude by D. R. — 32° 2' 9" N
Longitude by D. R. — 57° 3' 9" W

Course made good since preceding noon: S 60° E

Distance made good since preceding noon: 166 miles.

Distance by Log since preceding noon: 157 miles.

Current per hour: 0.5 miles, set S 14° E true.

Position at 8 P. M. { Latitude by DR. — 31° 30' 54" N
Longitude by obs — 55° 49' 30" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilling during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 27550 "

Coal consumed during the preceding 24 hours, 2 tons, 1520 lbs.

Coal remaining on hand at noon, 135 " 1941 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	7	8	93.7	S 50 E	NW by W	7-8			30.05	67	64	63	65	bc cy cc	Cu N	NW	4	M.
2	7	9	1. 6	"	"	7-8			30.05	67	64	64	65	c	"	"	4	"
3	7	2	8. 8	"	"	7			30.04	67	64	63	65	bc cy	"	"	8	"
4	6	9	15. 7	"	"	7			30.04	67	64	63	65	"	"	"	8	"
5	6	1	20. 8	"	"	6-7			30.02	70	64	63	65	bc cy	"	"	9	"
6	6	6	27. 4	"	"	6-7			30.02	70	64	63	65	bc cy c	"	"	9	"
7	6	1	33. 5	"	NW by W	7			30.02	70	64	63	65	bc	"	"	9	"
8	6	1	39. 6	"	"	7			30.05	70	65	64	65	cc cy	"	"	10	"
9	6	2	45. 8	"	"	6-7			30.06	70	65	64	66	bc cy	"	"	10	"
10	6	5	52. 3	"	"	6-7			30.05	70	65	64	66	"	"	"	9	"
11	6	6	58. 9	"	"	6-7			30.04	70	65	64	65	"	"	"	9	"
Mid.	6	7	65. 7	"	"	6-7			30.05	70	64	64	65	cc cy cc	"	"	10	"

under the command of Commander R. D. Evans, U. S. Navy,

Monday Feb 4 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. — Generally cloudy. Fresh breze to moderate gales from W.N. Frequent squalls of wind and rain. Heavy following sea. Under fore-topmast staysail, double reefed fore and main trysails, and whole forecast. Steering S. & S.S.E. Ship pitching and rolling deeply, running before wind. Distilling until 3.15 from boiler R when stopped to clean tubes. Fires banked in boiler No 2.

E. L. Beach, Lieut U.S.N.

4 to 8 A.M. — Generally cloudy. Moderate to strong N.W. gales. Barometer steady. Ship rolling at times heavily to the following sea, 30° each side. At 6.00 foretop mast staysail split on one of the seams, hauled it down and hoisted storm staysail, the former being repaired, was hoisted at 8.00 and the latter hauled down. At 6.30 a heavy sea filled the gig breaking her back, and carrying away after gear, the latter damage was repaired and extra lashings put on gig. At 6.05 Inclinated and sent apparatus of watch on masthead. Ship under double reefed topsails foresail, and fore topmast staysail on course S.50°E. Tpt S.S. log 59.2. Banked fires in B.B.D. boiler.

Ralph Earle, Ensign U.S.N.

8 to Midd — Generally cloudy. Very fresh breze to moderate gales from W.N. Barometer rising slightly. Taking squalls of wind and rain. Ship rolling and pitching easily to heavy following sea. May roll to starboard 30° to port 25°. Secured in and put preventer gripes on both quarter boats. Put over rail bags on each bow and one astern. Fires banked in three boilers. Quarters and drills suspended, until further orders on account of stormy weather and sea. On course S.50°E [by S.] under double reefed topsails foresail and fore topmast staysail.

R. B. Barnum, Lieut U.S.N.

Meridian to 4 P.M. — Fair then cloudy with frequent light rains and passing showers. Fresh breezes from N.W. by W. with heavy squalls first two hours. Barometer steady. Ship rolling and pitching deeply to a heavy sea from N.W. with frequent cross swells. Running before the wind under fore topmast staysail, whole foresail and double reefed fore and main trysails, with three oil bags over the side and stern. On course S.50°E by standard compass. Old navy Officer reported that the monthly test of the bell-signals and the weekly test of electric fumigating attachments were made at 12 M. as the working order at 12 to 6 P.M.

Geo. N. Hayward, Lieut U.S.N.

Generally overcast and cloudy. Fresh breezes from N.W. by W. gusty at times blowing hard, running before wind, on course S.50°E. under fore topmast staysail, foresail and double reefed topsail. Sail bags in use. Barometer steady. Ship rolling and pitching deeply. Heavy following sea.

E. L. Beach, Lieut U.S.N.

4 to 8 P.M. — Generally overcast and rainy. Fresh N.W. by W. to W. by S. breeze. Barometer rising. Ship rolling 25° each side. In heavy following sea. On course S.50°E. & S.S. under double reefed topsail as in previous watch. Log 80.6 at end of watch. Fires banked in B.B.D. boiler.

Ralph Earle, Ensign U.S.N.

8 to Midnight — Cloudy and generally overcast. Fresh N.W. by W. breeze with passing squalls of wind and rain diminishing towards end of watch. Sea heavy and ship rolling and pitching. May roll to starboard 30° to port 27°. Barometer fluctuating. On course S.50°E & S.S. under double reefed topsails, trysail and fore topmast staysail. Fires banked in three boilers.

R. B. Barnum, Lieut U.S.N.

Note by Navigator — During watch from Mast to 4 P.M. observed height of seas from waves rising and estimated their maximum height at 35 feet. E. F. Leefe, Lieut U.S.N.

Examined and found to be correct.

E. F. Leefe, Lt. Navigator.

4—20

LOG of the UNITED STATES Steaming Ship Essex **3rd. Rate,**

Making Passage from New London Conn. to Port au Prince

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
Log finish.	6	5	68.3	S 80° E	W.N.W.	6-7			30.05	68	65	63	65	bc s	Cu	W.N.W.	9	M.
2	6	2	74.5	"	W.	6			30.05	68	65	65	65	bc	"	W.N.W.	9	"
3	5	5	80.0	"	W by N.	5			30.02	70	65	65	66	"	"	W.N.W.	6	"
4	5	1	85.1	"	"	5			30.00	70	65	65	67	"	"	"	8	"
5	4	8	89.1	"	W.	5			29.97	70	65	65	67	oc	"	"	10	"
6	5	9	95.0	"	S S W.	5			29.94	70	65	65	67	"	"	"	10	"
7	5	0	100	S 60° E	S W.	5			29.94	70	65	65	67	"	"	"	10	"
8	5	0	7.3	"	"	5			29.94	70	65	65	67	"	"	S W.	10	"
9	5	8	10.8	"	"	5			29.94	70	66	66	67	"	"	"	10	R
10	6	3	11.1	"	"	5			29.97	70	69	69	67	bc	"	"	9	"
11	6	8	23.9	"	"	6			29.97	70	69	69	67	"	"	"	9	"
Noon.	6	2	30.1	"	"	6			29.96	70	69	69	67	"	"	"	9	"

Position at 8 A. M. { Latitude by DR — 30° 37' 6" N. — Mag. Temp.
Longitude by DR — 54° 46' 0" W — Board Aft.

Position at noon: { Latitude by observation — 30° 37' 48" N — 71.69 — 69.67
Longitude by observation — 54° 13' 15" W.
Latitude by D. R. — 30° 48' 48" N.
Longitude by D. R. — 54° 18' 34" W.

Course made good since preceding noon: S 64° E

Distance made good since preceding noon: 152 miles.

Distance by Log since preceding noon: 148.8 miles.

Current per hour: 0,23 miles, set W 58° E true.

Position at 8 P. M. { Latitude by DR — 30° 42' 30" N
Longitude by " — 53° 6' 18" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 480 gallons.

Water — during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 2.190 lbs.

Coal remaining on hand at noon, 154 " 1991 "

P. M.																		
1	7	1	32.8	S 60° E	W.S.W.	6	11	½ pt	29.90	72	70	70	69	bc	Cu	W	6	M
2	7	6	44.8	"	"	6	12	½	29.92	72	70	70	69	beg	Cu	"	7	"
3	6	8	51.6	"	"	7	14	½	29.92	73	71	71	69	"	"	"	8	"
4	7	0	58.6	"	"	7	14	½	29.90	74	69	69	67	"	Cu S	"	8	"
5	6	2	64.8	"	S W.	7	10	½	29.88	72	69	69	69	bc	Cu Cu N	S W	9	"
6	6	7	71.5	"	"	7	10	½	29.86	71	69	69	69	"	"	"	8	"
7	6	1	77.6	"	S W by W.	7	10	½	29.85	71	69	69	69	"	"	"	9	"
8	5	4	83.0	"	S W.	8	10	½	29.85	71	69	69	67	"	"	"	8	"
9	5	0	88.1	"	S W.	8-9	10		29.85	72	69	69	67	oc dg	Cu N	W	10	M.
10	5	7	92.6	"	"	8-9	12		29.87	74	69	69	67	"	"	"	10	"
11	6	6	99.2	"	W.S.W.	8-9	12		29.87	74	68	68	67	bc q	"	"	8	M
Mid.	7	0	6.2	"	"	6-9	12		29.87	74	67	67	67	bc dg	"	"	8	"

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday Feb 5 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Greatest roll 8° to starboard 8° to port 30°

Commences and ended 4 PM — Cloudy and pleasant weather except during first half hour which had moderate rains. Fresh breeze in squalls from W.N.W. by N. during first half hour then wind backed to West ram stopping, and later veered to W.S.W. fairing to stiff breeze. Observed and took sights of moon through cirrus haze. Barometer falling. Ship rolling and pitching to a heavy swell from W.N. Ship under foretopmast staysail, whole foresail and double reefed fore and main topsails on course S 50° E by standard compass. Log ended during first hour. Three oil bags over each side and stern. Coaled in 9 P.M. Bells 4 to 8 AM. —

George N. Hayward Lieut U.S.N.

Overcast and cloudy. Stiff breeze from West hauling around gradually to S.W. Ship pitching and rolling to heavy N.W. swell. Ship under foretopmast staysail, foresail and double reefed fore and main topsails. At 7:30 shook reefs out of topsails and hoisted them. Steering [per S C] S 50° E. until 7:30 when changed course to S 60° E. Pat. log 22. Three oil bags over side and stern. Fires banked in boilers A, B and D. Did not send boys over mast head on account of routine suspended. Barometer falling.

E. F. Beach Lieut U.S.N.

8 AM to Meridian — Generally cloudy. Stiff to fresh S.W by W. breeze. Barometer rose a little and began falling again. Ship nearly steady making an occasional roll to leeward of 20°. At 9:30 went to quarters, held fire, piping up and routine set period drills. At 10:50 set jib and topsail. Began distilling at 11:00 using boiler B. Held instruction in advance 2nd period. The Captain designed the following punishments, 7 Mon. Cos. night of duty in bathing to muster his watch, 2nd class, J. F. Baker. Off set for committing a nuisance on gun deck, 3 days solitary confinement on bread and water, J. A. Knoth, Lds. asleep in his hammock during his watch ended 12 hours extra duty and continued in 4th class 1 month. Passed large patches of gulf weed. Set storm muzzin and fore storm staysail to dry at 9:45. Under topsails, foresail jib foretopmast staysail, storm staysail, topsail and storm mizzen, on course S 60° E per S C log 30.1 at end of watch. Fires banked under boilers A & B.

Ralph Earle Ensign U.S.N.

Mixed 4 to 8 PM.

Cloudy and pleasant. Freshening breeze from W.S.W. Barometer steady. Ship steady with W heel to port. Sea choppy and rising. Fourth Div. of watch had 3/4 hour practice with gatling rifle. Observing patches of sea weed. At 1:30 had routine drills. On course S 60° E under same sail as preceding watch until 12:25 when changed course to S 65° E per S C. At 2:20 PM. called all hands to reef topsail. At end of watch ship under foretopmast staysail, foresail, main topsail and double reefed [illegible] Distilling. Fires banked in 2 boilers. Unshipped spare tiller.

W. H. Watson Lieut U.S.N.

4 to 6 PM. — Cloudy and pleasant weather. Fresh breeze from S.W. Barometer falling. Moderate squalls from S.W. Ship rolling deeply occasionally. Fires banked in A and C boilers. Distilling with B boiler. At 4:30 mustered at quarters. At 5:30 called all hands, close reefed the topsails and took on reef in the foresail. At end of watch ship on course S 65° E by Standard compass under foretopmast staysail, single reefed foresail, close reefed fore and main topsails. Greatest rolls 25° to port and 20° to starboard.

George N. Hayward Lieut U.S.N.

6 to 8 PM. — Partly clear, Moderate gale from S.W. to S.S.W. Barometer steady, wind and sea increasing. Ship rolling deeply at times, may to leeward see Steering [per S C] S 65° E. Under foretopmast staysail single reefed foresail and close reefed fore and main topsails. Took in reef in topsail at 7:30 Distilling with boiler B. Fires banked in boilers A & D.

E. F. Beach Lieut U.S.N.

8 PM to Midnight — Generally cloudy with heavy rain squalls. Moderate to strong gale at times. Barometer rising slightly. Moonlight. Ship rolling at times 20° to port. Distilling with B boiler. Fires banked in A and C. At 9:30 foretopmast staysail split in two, storm staysail blew away and set fore storm staysail. Banked fires at 9 and cleared it. At end of watch under close reefed foresail, single reefed fore and main topsails. On course S 65° E (per S C) log 47.

Examined and found to be correct.

Ralph Earle, Ensign U.S.N.

E. F. Beach Lieut U.S.N.

Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex **2nd Rate,**

Making Passage from New London, Conn. to Pond a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, tenths.	State of the Sea.
A. M.																		
1	7	3	15-5	S 62° E	S.W.	8	12°		29.87	73	67	67	67	b c g	Cu N	W	1	M
2	7	1	20-6	"	"	8	12°		29.84	74	66	64	66	"	"	"	4	"
3	7	0	27-6	"	W.S.W.	8	12°		29.81	74	67	67	67	"	"	"	9	"
4	6	1	33-7	"	W by S	6-8	12°		29.79	73	67	67	66	"	Cu N	"	7	M
5	6	3	39-8	"	"	6	8°		29.74	73	68	67	66	b c N	"	"	7	"
6	6	5	45-0	"	"	7	5°		29.74	73	68	67	66	b c	"	"	7	"
7	7	0	48-0	"	"	8	5°		29.79	73	68	67	66	"	Cu N	"	7	M
8	6	3	54-0	"	"	7	5°		29.79	72	68	68	66	b c N	"	"	8	"
9	6	0	60-0	"	"	7	7°		29.80	73	67	66	66	b c g N	"	"	8	"
10	5	5	65-5	"	W.S.W.	6	7°		29.82	73	67	65	66	"	"	"	7	"
11	6	9	72-4	"	"	7	7°		29.83	73	67	65	66	"	Cu N	"	6	"
Noon.	7	1	79-5	"	W.	7	7°		29.84	73	67	65	67	"	"	"	5	"

Position at 8 A. M. { Latitude by D.R. 30° 29' 12" N Mag. Temp.
Longitude by obs. 51° 36' 15" W Bar. Att.

Position at noon: { Latitude by observation 30° 16' 55" N 71-70 71-69
Longitude by observation 51° 9' 27" W
Latitude by D. R. 30° 23' 0" N
Longitude by D. R. 51° 17' 15" W

Course made good since preceding noon: S 70° E

Distance made good since preceding noon: 160.2 miles.

Distance by Log since preceding noon: 156.3 miles.

Current per hour: 0.37 miles, set S 47° E true.

Position at 8 P. M. { Latitude by D.R. 30° 1' 37" N
Longitude by D.R. 49° 47' 23" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 1410 gallons.

Water Distilling during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2530 "

Coal consumed during the preceding 24 hours, 1 tons, 1553 lbs.

Coal remaining on hand at noon, 153 " 1456 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, tenths.	State of the Sea.
P. M.																		
1	7	1	86.6	S 65° E	West	8			29.84	72	66	63	67	b c g p	Cu N Cu S	W	6	M
2	8	8	95.1	"	"	8			29.84	70	67	64	67	b c	Cu S	"	5	"
3	8	6	103.7	"	"	8			29.84	69	67	64	67	"	"	"	5	"
4	8	2	111.9	"	"	8			29.84	69	67	64	67	"	"	"	3	"
5	7	6	119.5	"	W by W.	7-8			29.87	71	67	65	67	b c g	Cu S	"	7	"
6	7	6	127.1	"	"	7-8			29.90	73	67	66	67	"	"	"	7	"
7	7	9	134.8	"	West	7			29.93	74	67	66	67	"	0	"	2	"
8	7	8	142.3	"	"	7			29.95	75	67	64	67	"	Cu	Ship N	4	"
9	8	5	150.3	"	"	7			29.95	72	67	64	67	"	"	"	4	"
10	7	8	158.3	"	W by W.	7			29.95	72	67	64	67	"	"	"	4	"
11	8	7	167.3	"	W.S.W.	7			29.95	72	67	64	67	"	"	"	3	"
Mid.	7	1	174.4	"	"	6			29.95	72	67	64	67	"	"	"	2	"

4-96

under the command of Commander R. S. Crowninshield, U. S. Navy,

Wednesday Feb 6th, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and 12 A.M.— Generally fair and bright. Moonlight. Moderate gales from SW. hauling to W by S and moderating at end of watch. At 2.15 heavy squall of wind and rain passed over. Ship rolling to quartering sea. Wax sail 310 feet 22° starboard. At 1.45 stopped distilling and banked fires in boiler B. Fires banked in boilers A and D. Barometer falling. On course S 65° E. (p S 6) under close reefed topsails single reefed foresail and fourth mast staysail.

Ens. Cohen
Lieut U. S. N.

4 to 8 A.M. — Cloudy and cool with frequent very light rains. Fresh breezes from W by S increasing to moderate gales and then fresting again to fresh breezes. Barometer rising. Ship rolling heavily at times to a heavy swell from W.N.W by W. Greatest roller to port 30° to starboard 20°. Ship before the wind under foretopmast staysail, single reefed foresail and double reefed fore and main topsails. On course S 65° E by standard compass. Fires banked in A, B and D boilers. Did not send boys aloft owing to heavy rolling of the ship. Passing much ice. Sea frequently swept.

Geo. N. Hayward
Lieut U. S. N.

8 to Midnight—

Generally cloudy with occasional sunshine. Fresh breezes from W by S to W.S.W and W. Raining at frequent intervals. Ship rolling and pitching deeply to heavy sea from W. Wax 35° to port 30° to starboard. Ship before wind under foretopmast staysail, single reefed foresail, and close reefed fore and main topsails. At 11.30 shook close reefs out of topsails, and hoisted them with two single reefs. Went to quarters at 2.30 but routine suspended because of heavy weather. Passing much ice and but rolling tackles on lower yards. Ship on her course S 65° E. Got three rd bags of coal at 9.00

E. L. Beach
Lieut U. S. N.

Meridian to 4 P.M.— Generally fair with heavy ram squalls first hour. Moderate and fresh gale. Barometer steady. Ship rolling deeply to following sea 35° port and 30° starboard. Fires banked in boilers A, B and D. Fast ship log (the line parting at 2 knot mark. Battens down hatches aft on account of sea breaking aboard. At end of watch under double reefed topsails, foresail, foretopmast staysail. On course S 65° E (p S 6) log 49

Ralph Earle
Ensign U. S. N.

4 to 8 P.M.— Generally fair and cool. Moderate gale from W by W with heavy gusts and frequent hails. Shifted after tiller and bent along relieving tackles. On course S 65° E (p S 6) under double reefed topsails, foresail foretopmast staysail. Barometer rising. Ship rolling and pitching to following heavy sea. Wax sail to starboard 35° to port 32° Passing clumps of sea weed. Fires banked in boilers A and D.

Ens. Cohen
Lieut U. S. N.

8 to 12 P.M.— Fair and pleasant with a light haze. Fresh breezes from West, showing a tendency to back to the southward. Ship pitching easily to a sea from W by S with an occasional deep double roll. Greatest rolls: to port 25° to starboard, 20°. Barometer rising. Ship under foretopmast sail, reefed foresail, and double reefed fore and main topsails. On course S 65° E by standard compass, with [illegible] on the port bow and the yards and stays. Banked fires in A, B and D boilers.

Geo. N. Hayward
Lieut U. S. N.

8 P.M. to Midnight— Fair and cool. Hazy. Fresh breezes from W. W.S.W. Monsoon from clouds. Sails at 8.30. Heavy following sea. Steering (p S 6) S 65° E. Ship before wind under foretopmast staysail, foresail and double reefed fore and main topsails. Three rd bags of coal over. Mow and stow. Banked fires in boiler A at 11.30. Barometer steady. Ship rolling and pitching deeply. Wax sail port 30° starboard 25°. Shipped heavy sea over starboard side at 11.45 carrying away [illegible] stopping, left of foresail, part of 3rd cutter.

E. L. Beach
Lieut U. S. N.

Examined and found to be correct.

C. F. Leiper
Navigator.

4—356

LOG of the UNITED STATES Training Ship Essex **3rd. Rate,**

Making Passage from New London Conn to Pond a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10 to 10.	State of the Sea.
A. M.																		
1	7	1	31.5	S 70° E	W.N.W.	6-8			29.95	74	67	66	67	beg	Cu S	W	7	H.
2	7	5	38.0	"	"	6-8			29.97	75	67	66	67	"	Cu Cu	"	4	"
3	7	1	96.1	"	"	6-8			29.99	75	67	66	67	"	"	"	3	"
4	6	9	03.0	"	"	6-7			30.00	74	67	66	67	"	Cu	"	3	"
5	7	0	10.0	"	"	6-7			30.01	74	67	64	67	"	"	"	3	"
6	6	7	16.7	"	"	6-7			30.01	74	67	64	67	"	"	"	8	"
7	8	9	22.6	"	"	6-7			30.03	74	67	64	67	"	"	"	6	"
8	8	8	28.4	"	"	6-7			30.05	74	67	65	66	"	"	"	7	"
9	8	7	34.1	S 75° E	W by N.	6			30.15	76	67	64	67	dem	Cu Cu Strat		5	"
10	6	3	40.4	S 65° E	West	6			30.17	76	66	64	67	"	"	"	2	"
11	7	3	47.7	"	W by S	6-7			30.17	75	66	64	67	"	"	NbyE	2	"
Noon.	6	0	53.7	"	"	6			30.15	75	68	66	68	"	"	"	4	"

Position at 8 A. M. { Latitude by D.R. 29° 44' 31" N / Longitude by obs 48° 3' " W — Mag Comp Hood Aft. 70-69 71-70

Position at noon: { Latitude by observation 29° 49' 20" N / Longitude by observation 47° 58' " W / Latitude by D. R. 29° 38' 36" N / Longitude by D. R. 47° 53' 4" W

Course made good since preceding noon: S 89° E

Distance made good since preceding noon: 186 miles.

Distance by Log since preceding noon: 174.2 miles.

Current per hour: 07 miles, set N 51° E true.

Position at 8 P. M. { Latitude by D.R. 29° 22' 14" N / Longitude by obs 44° 36' 42" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 1480 gallons.

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 1 tons, 1535 lbs.

Coal remaining on hand at noon, 151 " 1161 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10 to 10.	State of the Sea.
P. M.																		
1	7	6	11.3	S 65° E	W by S	6			30.15	74	69	68	67	h.c.h.	Cu	W.	4	H.
2	6	8	63.7 70.2	S 60° E	"	6			30.17	74	69	68	68	"	"	"	4	"
3	8	1	78.3	S 55° E	"	6			30.15	74	68	68	67	"	"	"	5	"
4	7	6	85.9	S 55° E	"	6			30.14	74	69	68	68	"	"	"	4	"
5	5	2	91.1	S 50° E	W. S. W.	6			30.15	74	69	68	68	hc	Cu N.	"	5	"
6	6	5	97.6	S 30° E	"	7			30.17	74	69	68	68	"	"	"	6	"
7	6	1	3.7	"	"	6			30.17	74	68	68	68	"	"	"	4	"
8	6	0	9.7	"	"	5-6			30.17	75	68	65	68	hcy	"	SW.	4	"
9	6	8	16.5	"	West	5-6			30.17	75	68	64	68	"	Thr. Cu Phy	S	4	"
10	7	2	23.7	"	"	6-7			30.16	75	68	65	68	"	"	"	6	"
11	6	8	30.2	"	"	6			30.14	75	68	65	68	hc	"	"	8	"
Mid.	6	8	30.2	"	"	6-7			30.14	75	68	64	68	hcy	"	"	7	"

under the command of Commander R. S. Davenport, U. S. Navy,

Thursday Feb 7, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.— Generally fair and pleasant. Moderate gale & fresh breeze from N.E.N. Barometer rising. Bright moonlight. Ship rolling to heavy following sea 25° each side. Fires banked in boilers A. Band D. Under foretopmast staysail, double reefed topsails, and foresail, making a course of S. 70° E. (per S.C.) in order to keep before the sea. Log 2.0 at end of watch.

Ralph Earle, Ensign U.S.N.

4 to 8 A.M.— Fine and pleasant, moonlight first part. Fresh to very fresh breeze from N.E.N. Barometer rising. Ship rolling and pitching to heavy following sea. Was hove to starboard 25° to port 30°. Having clumps of sea Sweed. Fires banked under boilers A.B. and D. Under foretopmast staysail, double reefed topsails and foresail. Making course S. 70° E. (per S.C.) to keep before sea.

R. S. Davenport Lieut. U.S.N.

8 A.M. to Meridian— Fair and pleasant weather with a smoky haze all around. Fresh breeze from Wby W. backing to W by S. and coming in squalls third hour with frequent rainfalls blotting the whole watch. Barometer much higher. A heavy rolling swell from W by S. with the lumps from frequent cross swells. During first hour ship made good course S. 95° E. by standard compass, robots running before the sea. During rest of watch course. Var S. 60° E. by standard compass. At 9.30 hauled down fore topmast staysail to renew seizings of hanks and hoisted, fore storm staysail, then rehoisted foretopmast staysail and hanked down fore storm staysail. At 9.45 shook out all the reefs in the topsails. At end of watch under foretopmast staysail, foresail and fore and main topsails. At 7.30 mustered at quarters. Pumped oil bags on bows and stern. Set new lashings on sick cutter, old ones being stranded. Ship rolling easily and rolling sometimes deeply to the following sea. Greatest rolls: to starboard, 25°, to port 30°. Fires in the gulf spud. Fires banked in boilers A.B. and D. Hatches battened down.

George N. Hayward Lieut. U.S.N.

Meridian to 4 P.M.— Fair and pleasant, hazy. Fresh breeze from W by S. Barometer about steady. Heavy swell on starboard quarter. Ship rising before same, under foretopmast staysail, foresail, and fore and main topsails. Set topsails at 12:15 took it in at 1.30 steering (per S.C.) S 65° E. until 1.15 when changed course to S 50° E. (per S.C.) Var by 6 3° and at 3.00 to S 50° E. (per S.C.) Var by 7 3° Fires banked in boilers A. Band D. Acting appointments renewed for 6 months of R. Rachaige A.M. 2 Cl. and C.R. Jones Yes 3d Cl.

E. L. Poach, Lieut. U.S.N.

4 to 8 P.M.—

Fair and pleasant. Fresh W.S.W by breeze. Barometer rising. Ship rolling to port 15° at times. Fires banked under boilers A. Band D. At 4.30 went to quarters after which took two single reefs in the topsails. At 4.30, log 88, changed course to S 50° E. (per S.C.) and at 8.00, log 96, to S 30° E. (per S.C.). Oil bags out to windward and all hatches battened down. At end of watch on course S 30° E. (per S.C.) log 97.6 under foretopmast staysail, foresail and double reefed topsails.

Ralph Earle, Ensign U.S.N.

8 to 8 P.M.— Fair and pleasant. Fresh breeze from N.E.N. Moderating at end of watch. Barometer steady. Fires banked in boilers A. Band D. Ship rolling easily to quartering swell. Was hove to 30° port 30° starboard. On course S 30° E. (per S.C.) Under double reefed topsails, foresail, fore topmast staysails.

R. S. Davenport Lieut. U.S.N.

8 P.M. to Midnight— Fair and cool then cloudy, moonlight, moon rising at 9.15. Stiff breeze from West increasing to fresh breeze and coming in squalls (reefs during third hours). Barometer steady. Ship rolling easily, but deeply to a heavy swell from W by S. Greatest rolls to starboard 25°, to port 30°. Ship running with wind on starboard quarter under foretopmast staysails, whole foresail, and double reefed fore and main topsails. Began shifting into tanks with 5 boilers at 9.30. Fires banked in A and D boilers. Put out bags of bows and stern. Hatches battened down.

George N. Hayward Lieut. U.S.N.

Examined and found to be correct.

E. F. Loftin.
Lieut. U.S.N. Navigator.

4—226

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making Passage from New London Conn. to Point a Pitre.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	6	1	38.6	S30° E	West	6			30.14	74	68	64	65	be	Cu	W	3	H
2	6	1	44.7	"	W by S	6			30.14	73	68	64	68	be p	Cu W	"	5	"
3	5	7	50.6	"	"	6			30.14	73	68	64	68	be	"	"	6	"
4	6	6	56.8	"	"	6			30.14	74	68	64	68	"	"	"	6	"
5	6	6	63.4	"	W.S.W.	6			30.14	74	68	64	68	"	"	"	4	"
6	5	6	68.8	"	"	6			30.15	74	68	64	68	"	"	"	9	"
7	5	6	74.2	"	"	6			30.19	74	68	65	68	be Cu	"	"	6	"
8	6	6	80.0	"	"	6	12°		30.22	74	69	65	68	be	Cu Cu	"	6	M
9	7	1	86.1	"	W by W.	7			30.19	73	69	65	68	"	"	"	2	H
10	6	5	92.6	"	W by W.	6			30.17	72	69	65	69	"	"	"	2	"
11	6	5	1.1	"	"	6			30.17	72	70	66	69	"	"	"	2	"
Noon.	4	3	5.5	"	"	6			30.17	72	70	67	69	"	"	"	2	"

Position at 8 A. M. { Latitude by D.R. — 28° 28' 26" N — Mag. Amp.
Longitude by Obs. — 45° 36' 15" W — Sunset Alt.

Position at noon: Latitude by observation — 28° 36' 0" N. — 7-70 — 72-71
Longitude by observation — 45° 6' 15" W.
Latitude by D. R. — 28° 10' 50" N
Longitude by D. R. — 45° 21' 30" W.

Course made good since preceding noon: S 58° E

Distance made good since preceding noon: 186.4 miles.

Distance by Log since preceding noon: 197.2 miles.

Current per hour: 0.8 miles, set N 41° E true.

Position at 8 P. M. { Latitude by D.R. — 27° 48' 48" N
Longitude by Obs. — 44° 31' 45" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1710 lbs.

Coal remaining on hand at noon, 124 tons 1690 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1	5	6	11.0	S 20° E	W by W.	5	3°	½ point	30.18	72	71	67	69	be m	Cu Ni	W	6	H
2	6	1	17.1	"	"	5	3°	½ "	30.20	73	72	67	69	"	"	"	6	"
3	5	5	22.6	"	W.W.W.	5	3°	½ "	30.24	74	72	66	69	"	"	"	7	"
4	5	5	27.6	"	W by W.	5	3°	½ "	30.24	74	71	65	69	"	"	"	9	"
5	6	2	33.8	"	W.W.W.	5	3°		30.25	74	71	66	69	"	"	"	8	"
6	6	4	40.2	"	West	5	3°		30.26	74	68	65	69	be	"	"	6	"
7	5	7	45.9	"	"	5	3°	½ "	30.26	74	68	64	69	"	"	"	6	M
8	5	8	51.7	"	"	5	3°	½ "	30.25	73	68	66	69	"	"	"	6	"
9	5	9	57.6	"	W.N.W.	5	4°		30.24	74	69	65	69	"	Cu Ni	W	5	M
10	6	0	63.6	"	"	4-5	6°		30.24	74	70	66	69	"	Ci	"	2	"
11	6	1	69.7	"	"	4-5	7°		30.24	74	70	67	70	"	"	"	3	"
Mid.	5	2	75.	"	W by W.	5			30.21	74	70	67	70	be q	Cu N.	"	4	"

4-25

under the command of Commander R. G. Davenport, , U. S. Navy,

Friday Feb 8 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM — Fair and cool. Bright moonlight. Fresh breeze from W to W by S, veering at times. Ship rolling deeply to heavy quartering seas. Mast to Port 30° to starboard 20°. Ship trimming deck and on sheet and guy tackles. Under foretopmast staysail, and double reefed fore and main trysails. Steering as per compass. Fires to load in boiler A & B. E. L. Black Lieut. U. S. N.

8 to 12 A.M. — Fair and pleasant with rains and squalls. Wind light. Fresh W & W by S breeze. Barometer veering. Ship rolling at times 10° to port. Moonlight. Distilling with boiler B. Fires hauled under A & B. At 8:00 mustered and punished apprentices and the masthead. Shook out reefs of topsails at 7:00. At end of watch on course S 30° E [p.s.c.] log 3, under foretopmast staysail, single reefed topsails and foresail. Ralph Earle, Ensign U. S. N.

12 Meridian — Fair and pleasant — Fresh breeze from W by N. Barometer fell slightly — Ship rolling about 12° to quartering swell. Distilling with boiler B. At 8:40 a heavy cross sea struck in No 7 gun port, made necessary repairs to port. W. D. Baker, O. S. released from confinement has term of sentence expired. Had routine drills. At 9:05 A.M. went to fire quarters all divisions reporting in 2½ minutes. Sounded provision call for abandon ship at 10:00. All boats provided in 7½ minutes. Secured in 4 minutes. At 10:30 went to drill for O.D. boats for distance service. All boats reporting in 3 minutes. Secured in 7½ minutes — On course S 30° E [p.s.c.] under single reefed topsails, foresail and foretopmast staysail. Latitude and longitude by observation at noon. Variation by amplitude and azimuth. Noon to Meridian to 4 P.M. W. D. Ogden Lieut. U. S. N.

Cloudy and pleasant weather with smoky haze. Stiff breeze from Wly W. backing to W. W. by W. Ship rolling easily to a heavy swell from W. W. Barometer rising. At 12:05 set the pit. At noon changed course S 25° E by standard compass. At end of watch on course S 20° E by standard compass, under pit foretopmast staysail, ship forereached and single reefed topsails. At 12:00 noon hauled aback the main topsail to ~~[illegible]~~ Distilling with boiler B. Fires hauled ~~[illegible]~~ and ship steering and ship steering with the helm. George A. Hayward Lieut. U. S. N.

4 to 6 P.M. — Cloudy and cool. Fresh breeze from W. W. to W. Ship rolling easily to heavy W. W. swell. Steering S 25° E [p.s.c.], under pit, foretopmast, staysail, foresail, and single reefed fore and main topsails. Went to general quarters at 4:30 and secured from boiler B. Ship rolled to port 20° to starboard 10° E. L. Black Lieut. U. S. N.

6 to 8 P.M. — Fair and pleasant. Stiff Wly breeze. Barometer steady. Ship rolling at times 15° each side. At 7:30 stopped distilling and hauled fires in boiler B. Under sail as in previous watch on course S 20° E [p.s.c.] log 3½7 Ralph Earle, Ensign U. S. N.

8 to Midnight — Fair and pleasant with short passing showers at end of watch. Moon rose at end of watch. Barometer steady. Ship rolling and pitching easily to quartering swell. Fires hauled in boiler B. Under sail as in previous watch on course S 20° E [p.s.c.] Moderate to stiff breeze from W. W. to W. by N. W. D. Ogden Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper, Lieut. Commander.

4-06

LOG of the UNITED STATES *Framing Ship Essex* 3d **Rate,**

Making Passage from New London Conn. to Point a Petre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 10.	State of the Sea.
A. M.																		
1	5	9	80.9	S 30° E	W by W.	5	3°	½ pt	30.21	72	69	65	70	hc	Cu Cu	W W	9	W.
2	6	0	86.9	"	"	5	3°	½ "	30.21	72	69	65	70	"	"	"	9	"
3	5	9	92.8	"	"	5	3°	½ "	30.21	72	69	65	69	"	"	"	6	"
4	5	8	98.6	"	"	5	3°	½ "	30.20	72	69	65	69	hc N	"	"	4	"
5	5	9	4.5	"	W by W.	5	3°	½ "	30.20	72	68	65	69	hc	Cu	"	4	"
6	5	1	9.6	"	"	5	3°		30.21	72	68	65	69	"	"	"	5	"
7	4	4	14.0	"	"	5	3°		30.27	72	69	65	69	hc N	"	"	8	"
8	6	0	20.0	"	"	5	3°		30.27	72	69	65	69	hc	"	"	9	"
9	4	9	24.9	"	West	4			30.25	71	70	67	69	"	"	"	7	"
10	5	4	30.3	"	W N W.	4			30.26	71	71	67	69	hc	Cu	"	6	"
11	5	0	35.3	"	"	4			30.28	71	72	67	69	"	"	"	6	"
Noon.	4	7	40.0	"	"	4			30.29	72	72	68	70	"	"	"	5	"

Position at 8 A. M.	Latitude by DR	26° 54' 0" N	Mary Tenght.
	Longitude by DR	43° 48' 20" W	Sabrd Obl.
Position at noon:	Latitude by observation	26° 40' 0" N	71-70 73-71
	Longitude by observation	42° 23' 48" W	
	Latitude by D. R.	26° 38' 30" N	
	Longitude by D. R.	118° 35' 38" W.	
Course made good since preceding noon:		S 11° E	
Distance made good since preceding noon:		140.5 miles.	
Distance by Log since preceding noon:		134.8 miles.	
Current per hour:	N 87° E miles, set 0.145 true.		
Position at 8 P. M.	Latitude by DR	26° 10' 0" N	
	Longitude by Obs	42° 53' 42" W.	
Variation of compass:		16° 30' Wly	
Error of compass observed at	4:23 PM	18° 35' wly	
Deviation of compass on	S 18° E	2° 8' wly	
Water expended during the preceding 24 hours,		500 gallons.	
Water	Distilled during the preceding 24 hours,	450 "	
Water remaining on hand fit for use at noon,		2650 "	
Coal consumed during the preceding 24 hours,		1 tons, 1710 lbs.	
Coal remaining on hand at noon,		147 " 2221 "	

P. M.																		
1	4	8	44.8	S 18° E	W N W	4			30.24	72	75	69	70	hc	Cu	W W	3	W
2	5	3	50.1	"	"	4			30.22	72	73	68	70	"	Cu Cu	"	2	"
3	5	4	55.5	"	W by W	4			30.22	72	73	68	70	"	"	"	3	"
4	4	5	60.0	"	"	4			30.23	73	73	68	70	"	"	"	2	"
5	3	6	63.6	"	W.	4			30.25	74	73	67	70	"	Cu	"	4	"
6	4	7	68.3	"	"	4			30.26	73	71	66	71	"	"	"	4	"
7	4	6	72.9	"	W W by W.	4			30.27	74	71	66	71	"	Ci	"	1	"
8	4	1	77.0	"	W by W	4			30.28	74	71	66	71	hcf	Cu N	W	4	"
9	4	1	81.1	"	West	3			30.28	74	70	66	71	"	"	"	3	"
10	4	1	85.2	"	"	3			30.29	74	70	66	71	hc	Cu	"	2	"
11	3	3	88.5	"	"	3			30.30	74	70	66	71	hcf	Cu N	"	2	"
Mid.	2	6	91.1	"	"	3			30.30	74	70	67	71	hc	Ci Cu	"	3	"

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday Feb 9, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.— Generally fair with frequent large areas of strato cumulus nearly covering the sky. A short light drizzle last hour. Barometer steady. Ship rolling easily to a moderate swell from W.N.W.. Banked fires in B. boilers. Under jib, foretopmast staysail, whole foresail and single reefed forecand main top sails, on course S 20° E by standard compass

6.58 A.M.— George N. Hayward Lieut U.S.N.

Generally cloudy. Stiff breze from W by W. light rains last hour. Moderate sea from W.N.W. Ship under jib, foretopmast staysail, foresail and single reefed fore and main topsails. At 7.50 shook out reefs put of topsails, hoisted them and set topgallant sails. Barometer steady. Steering (p.c.) S 20° E. Sent upper hose over the masthead. Scrubbed screens, mast, and yard top gears. Bent fouled bolter B.

8 A.M. to Meridian— Fair and pleasant. Moderate westerly to W.N.W. breze. Barometer rising. Ship rolling 6 pr minute 10° each side to W.by W. swell. Fires banked in B boilers. Set royals at 11.00. General cleaning of the ship going on. Cleaned and disinfected bilges. Passed much sea weed. On course S 20° E (p.c.) until 12.00 when log 10. Changed to S 18° E (p.c.) under all square sail save mainsail, foretopgallant staysail and jib. E. F. Beach, Lieut U.S.N.

Meridian to 4 P.M.— Fair and pleasant. Moderate breze from W.N.W. to W.N.W. by N. Barometer fell slightly. Ship rolling and pitching easily to quartering swell from N.W. Passing patches of sea weed. Getting fires under B. On course S 18° E (p.c.) under all plainsail except mainsail and foresail. At 1.30 when set storm sail and main topmast staysail to day. Ralph Earle, Lieut U.S.N.

4 to 6 P.M.— Fair and very pleasant weather. Moderate breze from W.N.W. Barometer higher. Ship pitching easily to a heavy swell from W.N.W. At 4.15 took in and unbent the foresail and the storm trysail and the storm trysail and hauled down the main topmast staysail. At 4.30 mustered at quarters, and then called all hands furled the royals took one reef in the topsails and set the topgallant sails. At end of watch under jib, foretopmast staysail, foresail, single reefed topsails and the topgallant sails on course S 18° E by standard compass. Fires lying out in B boiler. Passed much gulf weed. The quarterly surveying officer condemned 63 pounds of tinned beef and 63 pounds of pork which were thrown overboard. George N. Hayward Lieut U.S.N.

6 to 8 P.M.— Clear and pleasant. Moderate breze from W.N.W. to W by W. Barometer rising slowly. Ship pitching and rolling easily to heavy W.N.W. swell. Steering (p.c.) S 18° E. Under jib, foretopmast staysail, foresail, single reefed topsails and topgallant sails. E. F. Beach, Lieut U.S.N.

8 P.M. to Midnight— Fair and pleasant. Passing rain showers. Wind hour, gentle Westerly breze. Barometer slowly rising. Moon rose at 11.30. Ship rolling easily to long N.W. swell 12° each side. At 10.15 took in and furled top gallant sails. At end of watch under single reefed topsails, foresail, jib and foretopmast staysail, on course S 18° E (p.c.) log 91. Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Logan Lieut U.S.N. Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex **3rd. Rate,**

Making Passage from New London, Conn. to Point a Pitre.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air by Dry Bulb	TEMPERATURE. Air by Wet Bulb	TEMPERATURE. Water at Surface	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	2	2	93.3	SW° E	W by N	3			30.29	74	71	67	70	be	Cu N	W	4	L
2	1	2	94.5	"	West	2			30.29	74	70	67	70	"	Ci	"	2	"
3	1	0	95.3	"	"	1-2			30.28	73	69	67	70	beq	Cu N	"	4	"
4	2	0	96.4	"	W by N	1-2			30.27	74	68	66	71	veq	"	"	10	"
5	2	8	99.2	"	Wly S	2	1°	1pt	30.27	74	68	66	71	vcd	Sc Cu	W	10	L
6	2	8	101.8	"	"	2	2°	1 "	30.27	74	68	66	71	be	"	"	8	"
7	3	4	5.2	"	"	3	3°	1 "	30.27	74	68	66	71	"	"	"	6	"
8	5	0	10.2	"	"	3	5°	1 "	30.33	74	73	70	71	"	"	"	6	"
9	5	0	15.2	"	W by N	3-6	5°	1 "	30.29	74	73	70	71	beqc	Cu N	W	5	"
10	2	0	17.8	S 20° E	S W	2-3	3°	1 "	30.25	74	74	70	71	be	Cu	"	3	"
11	2	0	19.8	S 18° E	W by N	4	5°	1 "	30.20	75	75	71	72	"	"	"	5	"
Noon.	2	8	24.6	"	Wly S	4	7°	1½ "	30.18	74	76	73	72	"	acc	"	6	"

Position at 8 A. M.: Latitude by DR	25° 42' 18" N	Mag Trupt
Longitude by obs	42° 25' 15" N	Fort Aft
Position at noon: Latitude by observation	25° 29' 37" N	72-71 72-71
Longitude by observation	42° 11' 45" N	
Latitude by D. R. DR	25° 34' 30" N	
Longitude by D. R. obs	42° 21' 48" N	
Course made good since preceding noon:	S 44° E	
Distance made good since preceding noon:	98 miles.	
Distance by Log since preceding noon:	87.9 miles.	
Current per hour: 0.43 miles, set S 62° E true.		
Position at 8 P. M.: Latitude by	25° 0'08" N	
Longitude by	41° 44" 30" N	
Variation of compass:	16°30' Wly	
Error of compass observed at 4:27 P.M.	18° 40' "	
Deviation of compass on S 17° E	2° 10' "	
Water expended during the preceding 24 hours,	500 gallons.	
Water ——— during the preceding 24 hours,	"	
Water remaining on hand fit for use at noon,	2150 "	
Coal consumed during the preceding 24 hours,	tons, 846 lbs.	
Coal remaining on hand at noon,	147 " 1381 "	

P. M.																		
1	4	8	314	S 17° E	S W by W	4	6°	½pt	30.17	75	76	73	72	be	Sc Cu	W	8	L
2	4	9	36.3	"	"	4	6°	½ "	30.16	74	76	73	72	"	"	"	7	"
3	5	0	41.3	"	"	4	6°	½ "	30.15	74	75	73	72	"	"	"	8	"
4	4	9	46.2	"	"	4	6°	½ "	30.14	74	75	73	72	"	"	"	7	"
5	4	5	49.5	"	W S W	4	6°	½ "	30.14	74	75	73	72	"	"	"	8	"
6	5	5	55.0	"	"	4	3°	½ "	30.16	74	74	73	72	"	"	"	8	"
7	5	1	60.1	"	Wly S	3	8°	½ "	30.16	75	73	73	72	"	Cu Ci Sc Cu	"	3	"
8	4	9	65.0	"	"	3	2°	½ "	30.18	75	73	73	72	"	"	"	2	"
9	5	6	70.6	S 11° E	W S W	5	3°	¾ "	30.20	74	78	73	72	"	Cu	"	2	"
10	5	0	74.0	"	"	5	3°	½ "	30.20	74	73	73	72	"	"	"	2	"
11	4	1	78.1	"	"	4	3°	½ "	30.20	74	73	73	72	"	"	"	2	"
Mid.	4	2	82.3	"	"	4	3°	½ "	30.19	74	73	73	72	"	"	"	2	"

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday Feb 10 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with Am — Fair and pleasant first half with bright moonlight, Passing light spouts last half. Barometer fair, slights. Light variable airs to light breze from S and W.S.W. Long swell from W.N.W. Ship rolling easily with each. On course S 8° E (p.c.) Under single reefed topsails, foresail, jib and fore topmast staysail

W. F. Bass Lieut U.S.N.

4 to 8 AM — Cloudy pleasant weather with a bright dawn. Moonlight. Light breze from W by S increasing to gentle breze. Barometer rising. Ship pitching and rolling easily to a long swell from W.N.W. At 6.45 sighted the mast head of the topsails and set the topgallant sails and royals. Secured the smoke pipe. At end of watch ship under all plain sail to royals except flying jib, main sail, and spanker. On course S 8° E (Standard compass)

George N. Hayward Lieut U.S.N.

8 AM to Meridian — Generally clear and pleasant. Light to moderate breeze from W.S.W. to W by S, with squall of wind and rain between 9 and 9. Barometer falling. Steering S 18° E (p.c.) during squall, when went off to S 22° E (p.c.) making good Veering to S 20° E (p.c.) Under jib, fore topmast staysail and spanker. Set royals except mainsail. Took in royals and topgallant sails at 8.40 and set them again at 9.15. Went to quarters at 9.30 and Comdg Officer inspected ship and crew. Burial service was held by Chaplain. Effects of Ham condemned by Board of survey were thrown overboard by order of Comdg Officer at 12 noon. Log changed to S 20° E (p.c.)

E. H. Beach Lieut. U.S.N.

Meridian to 4 PM — Fair and pleasant. Moderate S.W by W by W breze. Barometer falling. Ship steady. At 1.00 set flying jib, mainstopmast staysail, and spanker. At 3.00 log pooled, was hauled in and cleared. On course S 20° E (p.c.) Under all sail save mainsail and spanker. Log 155 at end of watch.

Ralph Earle Ensign U.S.N.

4 to 8 PM — Fair and pleasant. Moderate W.S.W by W breze. Barometer rose slightly. Long W by W swell. At 5.35 went to quarters for muster. Took single reefs in topsails and furled royals, stowed flying jib and mainstopmast staysail. At end of watch under foresail, single reefed topsails, topgallant sails, fore topmast staysail, jib and topsail on course S 17° E (p.c.)

W. F. Bass Lieut U.S.N.

8 to 12 PM — Fair and pleasant weather. Light breze from W by S. Barometer rising slowly. Ship pitching and rolling very easily to a long swell from W.N.W. Ship under jib, foresail, main topsail, and topgallant sails at ease, single reefs in topsails, on course S 17° E by Standard compass.

George N. Hayward Lieut U.S.N.

12 M to Midnight —

Clear and pleasant. Moderate to stiff breze from W.S.W. At 8 PM changed course to S 11° E (p.c.) and on this course for watch. Ship under jib, fore topmast staysail, foresail single reefed topsails, topgallant sails and main staysail. Ship rolling and pitching easily to long swell from W.N.W. Moon rose at 11.00

E. H. Beach Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper Lt. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making Passage from New London Conn. to Port au Prince

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eastern's	State of the Sea.
A. M.																		
1	5	3	87.6	N.E. E	N.E. by E.	4	5°	1/4	30.15	74	73	73	72	bc	Cu Cu	W.	2	M
2	3	6	91.2	"	"	3	5°	1/2 "	30.16	74	73	73	72	"	"	"	2	"
3	4	1	95.3	"	"	3	5°	1/2 "	30.16	74	73	73	72	"	Cu	"	3	"
4	4	5	99.8	"	"	3	5°	1/2 "	30.16	74	73	73	72	"	"	"	3	"
5	4	2	4.0	"	West	4	6°	1/2 "	30.16	74	72	70	72	"	"	"	2	"
6	3	5	7.5	"	W by S	3	5°	1/2 "	30.16	74	72	70	72	"	"	"	6	"
7	3	7	11.2	"	W.	3	4°	1/2 "	30.16	75	72	70	72	"	"	"	5	"
8	4	3	15.5	"	W.	4	4°	1/2 "	30.16	75	72	70	72	"	"	"	4	"
9	4	4	19.9	"	W. by S.	3	4°	1/2 "	30.19	74	72	70	72	"	Cu	"	3	"
10	4	2	24.1	S.E. E	"	4	4°	1/2 "	30.21	74	74	71	72	"	"	"	3	"
11	4	5	28.6	S.E. E	W.S.W.	4	4°	1/2 "	30.21	74	74	73	72	"	"	"	3	"
Noon.	4	3	32.9	"	"	4	4°	1/2 "	30.21	75	75	73	72	"	"	"	2	"

Position at 8 A. M. { Latitude by D.R. — 24° 17' 26" N — Mag. Amp. Twilight.
Longitude by — 41° 6' 0" W — Fomalhaut Altr.

Position at noon: { Latitude by observation — 24° 41' 43" N — 72-71 72-71
Longitude by observation — 40° 65' 45" W
Latitude by D. R. D.R. — 24° 4' 32" N
Longitude by D. R. — 40° 58' 15" W

Course made good since preceding noon: S.39°E

Distance made good since preceding noon: 109 miles.

Distance by Log since preceding noon: 108.8 miles.

Current per hour: 0.1 miles, set East true.

Position at 8 P. M. { Latitude by D.R. — 23° 36' 43" N
Longitude by obs — 40° 24' 0" W.

Variation of compass: 16° 20' W.

Error of compass observed at 5.09 — 18° W.

Deviation of compass on S.S.W.E — 1° 40' W.

Water expended during the preceding 24 hours, 300 gallons.

Water ~~~~~ during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1650 "

Coal consumed during the preceding 24 hours, tons, 670 lbs.

Coal remaining on hand at noon, 147 " 881 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eastern's	State of the Sea.
P. M.																		
1	4	9	37.8	S.W. S	W by S	4	6°	1/2"	30.20	76	77	73	73	bcm	Cu Cu		3	"
2	5	4	43.2	"	"	4	6°	1/2"	30.18	75	78	73	73	"	"	W	5	"
3	5	2	48.4	"	W.S.W.	4	6°	1/2"	30.17	75	77	73	73	bc g	Cu S	"	8	"
4	5	4	53.8	S.W. S	"	4	6°	1/2"	30.18	73	76	73	73	"	"	"	8	"
5	3	9	57.7	"	"	3	6°	3/4"	30.18	73	76	73	73	bc	Cu S	"	8	"
6	2	7	60.4	S.W. S	W by S	3	4°	3/4"	30.20	73	76	73	73	"	Nim S	"	9	"
7	3	7	63.5	"	"	3	4°	3/4"	30.20	76	75	73	73	"	"	"	8	"
8	3	6	67.1	"	"	3	4°	3/4"	30.27	76	74	73	73	"	Cu Cu	"	8	"
9	3	5	70.6	S.W. S	W.S.W.	3	4°	1/2"	30.24	76	74	72	73	"	Cu & Strat.	Mod	3	"
10	3	4	74.0	S.W. S	W by S	3	4°	1/2"	30.24	77	74	72	74	bcp	"	"	5	"
11	3	6	77.6	"	"	3	4°	1/2"	30.24	78	74	72	74	"	"	"	7	"
Mid.	3	"	81.3	S.W. S	"	3	4°	1/2"	30.24	78	74	72	74	"	"	"	4	"

under the command of Commander R. D. Davenport, U. S. Navy,

Monday Feb 11, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM.— Clear and fair. Moderate to gentle S Wly breze. Barometer falling slowly. Ship steady. Bright moonlight. Under single reefed topsails, topgallant sails, foresail, jib and fore topmast staysail, on course S½E (Mag.) Log 999 at end of watch.

Ralph Earle, Ensign U.S.N.

8 to 8 AM.— Fair and pleasant, Gentle to moderate breze from W. to W by S Barometer steady — At 5:30 sent apprentices of the watch out masthead. At 7:15 shook reefs out of the topsails and set all to royals. At end of watch under all plain sail except spanker and mainsail with mainstaysail, and main topsail set, on course S½E (Mag.)

W. D. Brum Lieut U.S.N.

8 AM to Meridian — Fair and pleasant weather, Gentle breze from Wly S. Barometer steady, At 8:30 hauled down jib for repairs and set it again. At 9:45 hauled up main topsail and bent another on its place. Got up mainmast and made ready to bend it. At end of watch under mainstaysail and all plain sail to royals except mainsail, maintopsail and spanker, and on course S½E by standard compass, except during second hour when made good S½E by standard compass by the wind. At 9:30 inspected all quarters and had routine drills for first and second periods. The Captain this day revokes from inefficiency the appointment of J. Moore as Acting Coxswain. By authority of the Captain the following punishments were assigned:— Wm Fischer, Seaman, leaving below during his watch on deck, 48 hours extra duty; J. Knoth, Landsman, not answering bell when aloft and refusing to go aloft, 12 hours extra duty; G. A. Semple, Apprentice 2nd Cl. eating dinner below during watch on deck and lying, 12 hours extra duty; A. Hamilton, J. F. Struve, J. Kipp and F. Nelson, Landsmen, smoking, 4 hours extra duty.

George N. Hayward Lieut U.S.N.

Noon to 4 PM —

Fair and pleasant. Moderate breeze from W by S to W.S.W. Ship pitching by on starboard tack, course steered S½E (Mag.) made it good first 2 hours, made S½E (Mag.) last hour. Ship under fore and aft sail except main topsail, and square sail to royals except mainsail. Finished bending latter, and set it at 1:30. All apprentice divisions had seamanship instruction between 1:30 and 2:15. Forecastle, yardmen and apprentices of watch were instructed in boxing and furling, between 2:15 and 3:00. Port watch 3rd Division had target practice, pulling rifle from 3 to 4½, served out clothing to apprentices. Took in and set again topgallant sails and royals between 3 and 4.

E. L. Beach Lieut U.S.N.

4 to 6 PM — Generally cloudy and pleasant. Gentle W.S.W'ly to W by S'ly breze. Barometer rising slightly. Ship steady. From 4:15 to 5:35 exercised at sail drill, furling and making sail again, and also taking in royals flying jib, main topmast staysail, main sail and a single reef in topsails. Full and by on starboard tack making from S½E to S½E (Mag.) log at end of watch.

Ralph Earle, Ensign U.S.N.

6 to 8 PM — Fair and pleasant. Gentle breze from Wby S. Barometer steady, slightly. On course S½E (Mag.) under single reefed topsails, topgallant sails, foresail, jib and fore topmast staysail until 7:40 when set main topsail.

W. D. Brum Lieut U.S.N.

8 PM to Midnight — Fair to cloudy and cool weather with one passing shower second hour. Gentle breze from W.S.W. hauling to W by S. Barometer steady. Ship rolling very easily to a swell from North. Ship under jib, fore topmast staysail, foresail, maintopsail, and topgallant sails set. Single reefed topsails.

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper, Navigator.
Lieut U.S.N.

4—268

LOG of the UNITED STATES *Frances Thop Esqr* **3rd Rate,**

Making Passage from New London Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eight=10.	State of the Sea.
A. M.																		
1	3	8	85.1	S 11° E	W by S	3	4°	1pt	30.20	75	74	73	74	hc	Nmc	M	0	S
2	3	1	88.2	"	"	3	4°	1 °	30.20	76	74	72	74	"	"	"	0	"
3	3	1	91.3	"	"	3	4°	1 °	30.17	75	73	72	75	hc	Ci	"	2	"
4	2	6	93.9	"	"	3	4°	1 °	30.16	75	73	72	74	"	Ci Cu	"	3	"
5	2	7	96.6	"	"	3	4°	1/2	30.17	75	74	73	73	"	"	"	3	"
6	3	4	100.0	"	"	3	4°	1/2	30.17	75	74	73	73	"	"	"	5	"
7	2	4	2.4	"	"	3	4°	1/2	30.17	75	74	73	73	"	Fr Cu	"	4	"
8	3	3	5.7	"	"	3	4°	1/2	30.17	76	74	73	73	hc	Ci Cu	"	3	"
9	4	6	10.2	"	"	3	4°	3/4	30.23	75	74	73	73	"	Cu S	"	4	"
10	4	3	14.5	"	"	3	4°	1 °	30.25	75	74	72	78	"	"	"	5	"
11	3	9	18.4	S 40° E	W. S. W.	3	4°	1 °	30.25	75	74	72	73	"	"	"	6	"
Noon.	4	2	22.6	S 20° E	"	3	4°	1 °	30.25	75	74	74	73	"	"	"	5	"

Position at 8 A. M.	Latitude by D. R.	23° 7' 13" N.
	Longitude by	39° 36' 48" W.
Position at noon:	Latitude by observation	22° 49' 37" N.
	Longitude by observation	39° 47' 22" W.
	Latitude by D. R.	22° 55' 13" N.
	Longitude by D. R.	39° 55' 0" W.
Course made good since preceding noon:		S 40° E
Distance made good since preceding noon:		98 miles.
Distance by Log since preceding noon:		87.6 miles.
Current per hour: 0.38 miles, set S 51° E true.		
Position at 8 P. M.	Latitude by	22° 30' 30" N
	Longitude by	39° 19' 0" W.
Variation of compass:		16° 20' Wly
Error of compass observed at		18° 2' "
Deviation of compass on S 17° E.		1° 46' "
Water expended during the preceding 24 hours,		600 gallons.
Water ——— during the preceding 24 hours,		"
Water remaining on hand fit for use at noon,		1150 "
Coal consumed during the preceding 24 hours,		tons, 15 21 lbs.
Coal remaining on hand at noon,		146 " 1601 "

P. M.																		
1	4	8	27.1	S 28° E.	SW by W	3	3°	1	30.19	77	74	70	73	hc	"	NW	3	S
2	3	1	32.2	"	"	3	3°	1	30.18	77	74	72	73	"	"	"	3	"
3	4	7	36.9	S 21° E	"	4	2°	1/2	30.18	77	77	74	78	"	"	"	4	"
4	4	8	41.6	S 22° E	"	4	8°	1/2	30.18	77	77	74	73	"	"	"	4	"
5	3	4	45.0	S 24° E	W. S. W.	3	3°	3/4	30.18	76	76	73	73	hc	Ci Cu	St	4	"
6	2	9	47.9	"	"	3	3°	1/2	30.18	76	75	73	73	"	"	"	3	"
7	2	8	50.7	S 20° E	"	3	2°	1	30.23	78	75	73	73	"	Cu	"	4	"
8	3	0	53.7	"	"	3	2	1	30.28	78	75	73	73	hc	Ci	—	1	"
9	1	6	54.3	"	"	1-2		1/2	30.27	78	75	73	73	"	"	"	1	"
10	1	8	56.5	"	"	1-2		1	30.27	78	75	73	75	h	Nmc	"	0	"
11	1	8	58.2	"	"	1-2		1	30.27	78	75	73	75	hc	Fr Cu	NW	2	"
Mid.	1	6	59.4	S 17° E	"	1-2		1	30.27	77	74	72	78	"	"	"	1	"

under the command of Commander R G Davenport, U. S. Navy,

Tuesday Feb 12, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M— Clear and pleasant. Gentle breezes from W by S. Moon rose at 12:35. Steering S 11° E (p.s.c.) Ship under jib foretopmast staysail forsail single reefed fore and main topsails and main trysail. Rolling and pitching easily to swell from W.

E L Beach Lieut U S N

4 to 8 A M— Clear and fine. Gentle W by Sly breeze. Barometer steady. Moonlight. Ship nearly steady. At 5:00 mustered and sent apprentices over mainhead. At 7:15 took in trysail and made all sail save staysail and spanker. On course S 11° E [p.s.c.] under all sail save trysail and spanker. Log 0 at end of watch.

Ralph Earle, Ensign U S N

8 to Meridian—

Fair and warm. Gentle breeze from W by S to W S W. Barometer rose slightly. At 9:30 went to quarters for masts. Had routine drills during 1st and 2nd drill periods. Set clock ahead 6 minutes. On course S 11° E (p.s.c.) during first two hours under all sail except spanker and trysail. During last two hours steered S 9° E [p.s.c.] and S 20° E (p.s.c.)

E L Beach Lieut U S N

Meridian to 4 P M— Fair warm and pleasant weather. Gentle breezes from S S W by W increasing to moderate breeze. Barometer steady. Smooth sea. At 1:30 divisions had routine drill. At 2:15 lowered boat at the watch on the monkey yard. At 3:00 second division had gallery practice. Ship by the wind on starboard tack under all plain sail to royals except the spanker and with maintopmast staysail. Made good courses by standard compass as follows: till 2, S 28° E. from 2 to 3, S 24° E. from 3 to 4, S 26° E. Machinery at work reg ~~during the~~ to Engr Dept ship 4 to 6 P M—

George N. Holloway, Lieut U S N

Fair and pleasant. Gentle breeze from W S W. Barometer steady. Moderate sea. At 4:30 went to quarters. Then exercised at loosing furling and setting sail. Ship under all sail except spanker and trysail. At 5:00 hauled down flying jib single reefed topsails and furled mainsail. Full and by. Course ground S 9° E [p.s.c.] Made good S 20° E (p.s.c.)

E L Beach Lieut U S N

6 to 8 P M— Clear and fine. Gentle W S W by breeze. Barometer rising rapidly. Ship steady. Set trysail at 7:30. Started smoke stack. Lighted fires in Foster & Foale distilling. at 7:50. Under foretopmast staysail, jib, foresail, single reefed topsails topgallant sails and trysail. Steering fresh and by on starboard tack making S 20° E (p.s.c.) log 63.7 at end of watch.

Ralph Earle, Ensign U S N

8 P M to Midnight—

Clear and fair. Light airs to light breeze from W S W. Barometer steady. Ship pitching slightly to N W by swell. Full and by on starboard tack making S 20° E (p.s.c.) and S 17° E (p.s.c.) with single reefed topsails, topgallant sails, foresail, jib, foretopmast staysail and mainsail set.

E L Beach Lieut U S N

Examined and found to be correct.

E. F. Lucas
Lieut U S N Navigator.

4—956

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making Passage from New London, Conn.t to Ponta Delgada

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
	A. M.																		
By Chip		2	0	51.8	S 26° E	N.W. by W.	2	2	1	30.35	78	76	73	74	bc	Cu		4	S
"	2	2	0	60.5	S 30° E	S.W.	2	2	1	30.34	78	76	73	74	"	"		7	"
"	3	2	0	64.4	S 60° E	S.S.W.	2	2	1	30.26	78	76	73	74	"	"		4	"
"	4	2	0	67.0	S 60° E	"	2	2	1	30.26	77	74	72	75	"	"		7	"
	5	1	6	68.2	S 60° E	S.W.	1-2		1	30.24	77	74	72	75	bc	Cu		7	
	6	1	2	68.8	"		1-2		1	30.24	77	74	72	75	"	"		5	
	7	1	2	69.5	"		1		1	30.24	77	74	72	75	"	"		3	
	8	1	2	70.8	"		1		1	30.26	75	75	72	75	"	"		6	
By Chip		2	5	75.5	S 70° E	South	2	2	1	30.29	77	77	73	75	"	Cu		5	L
"	10	3	0	85.0	"	"	3	2	1	30.30	79	77	73	75	"	Cu S		5	"
By Log		2	6	87.6	"	"	3	2	1	30.30	76	78	74	75	"	"		4	"
"	Noon.	2	5	92.0	"	"	3	2	1	30.28	76	78	74	75	"	Cu Ci		4	"

Position at 8 A. M.	Latitude by D.R.	22° 21' 36" N
	Longitude by obs	39° 1' 10" W
Position at noon:	Latitude by observation	22° 23' 46" N
	Longitude by observation	38° 49' 46" W
	Latitude by D. R.	22° 21' 36" N
	Longitude by D. R.	38° 50' 12" W
Course made good since preceding noon:		S 64° E
Distance made good since preceding noon:		59 miles.
Distance by Log since preceding noon:		61.6 miles.
Current per hour: 0.1 miles, set N 12° E true.		
Position at 8 P. M.	Latitude by D.R.	22° 25' 10" N
	Longitude by obs	38° 29' 12" W
Variation of compass:		16° 40' Wly
Error of compass observed at 4:23 P.M.		12° 38' Wly
Deviation of compass on East		3° 42' Ely
Water expended during the preceding 24 hours,		600 gallons.
Water Distilled during the preceding 24 hours,		600 "
Water remaining on hand fit for use at noon,		1250 "
Coal consumed during the preceding 24 hours,		1 tons, 60 lbs.
Coal remaining on hand at noon,		145 " 1840 "

	P. M.																			
	1	1	3	76.3	S 65° E	Sby W	1-2	2°	1	30.27	76	78	74	75	bc	Cu	S	3	S
By Chip		1	5	79.0	"	"	1-2	2°	1	30.26	76	78	74	75	"	Cu S	"	5	"
	3	1	5	80.0	S 75° E	South	1-2	2°	1	30.25	77	77	74	75	"	"	"	"	"
	4	1	2	80.8	"	"	1-2		1	30.25	77	77	74	75	"	"	"	5	"
	5	1	0	81.0	N 75° E	Sby E	1	0°		30.26	76	77	73	75	"	Fr Cu	"	5	M
	6	0	6	81.1	N 15° E	S.E.	1	0°		30.28	78	75	73	75	"	"	"	7	"
	7	0	1	81.1	E N.E. ½ E	S.E. by E.	0-1	0°		30.30	78	74	73	75	"	"	"	2	"
	8	0	6		"	"	0-1			30.30	78	74	73	75	"	"	"	1	"
	9	0	5		N 70° E	S.S.E.	0-1			30.32	78	74	72	75	"	"	"	3	L
	10	0	5		N 60° E	"	0-1			30.32	78	74	72	75	"	"	S.E.	4	"
	11	0	5		"	"	0-1			30.32	78	74	72	75	"	Cu N	"	7	"
	Mid.	1	4		"	"	1			30.32	77	74	72	75	"	Cu Cu	"	6	"

4—945

under the command of Commander R. D. Davenport, U. S. Navy,

Wednesday Feb. 8, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM— Cloudy and pleasant. Light breezes from S.W. by W backing to S.S.W. Ship rolling easily to a light swell from W.N.W. Barometer steady. Began distilling into the tanks at 2:00 with D boiler. Ship under jib, foresail, foretopsail, foretopmast staysail, mainsail, maintopsail and topgallant sails, single reefed topsails. Sailing by the wind steering good the following course by standard compass by bouse: S 26° E, S 31° E, S 34° E, S 36° E, S 40° E to 8 AM.—

George N. Halyburton Lieut. U.S.N.

Clear and pleasant. Light airs from S.W. Ship heavy having steerage way. Moonlight. Ship full and by under jib, foresail, foretopmast staysail, mainsail, foresail, single reefed topsails and topgallant sails. At 7:15 set all sail, shook out single reef of topsails took in main trysail. Smooth sea. Ship full and by, making good S 50° E (prs.c.) Distilling. E. Brock Lieut. U.S.N.

8 A White Meridian.— Clear & fair and pleasant. Light to gentle South breeze. Barometer sleighty. Ship rolling easily, 3 each side, 6 per min, to a westerly swell. At 9:30 mustered at quarters and held setting up exercise. Held routine instructions and drills at usual periods. The Captain awarded following punishments:- C. Anderson, appr 3 C. for insolent to master at arms, was placed in solitary confinement on bread and water for two days; G. Frank and J. Gabel, appr 3 C. for smoking, 4 hours extra duty each. Distilling boiler D in use. Under topsail, fore trysail and mainsail, full and by on starboard tack, making S 70° E (prs.c.) log 90 at end of watch. Ralph Earle, Ensign U.S.N.

Meridian to 4 PM.— Clear and warm. Light airs to light breeze from Sby W to S. Barometer fell slightly. Long swell from North. Held routine drills during 3rd period. The main royal yardmen were drilled at loosening and furling at monkey yard. The other divisions of the watch were exercised in gallery practice. Fast ahead by on starboard tack making course S 65° E (prs.c.) and S 70° E (prs.c.) Boiler D in use for distilling.

F. H. Brown Lieut. U.S.N.

4 to 6 PM.— Fair and warm weather. Light airs from South backing to S.S.E. Barometer rising. Ship rolling to a swell from W.N.W. Distilling from D boiler. At 4:30 mustered at quarters, then called all hands and had sail drill until 5:15. Furled the royals and the flying jib, hauled down the main topmast staysail and took a reef in the topsails. At end of watch ship under jib, foretopmast staysail, foresail, spanker and topgallant sails, set over single reefed topsails. Made good the following course by standard compass, viz: S. W. ½ S. from 4 to 6.

George N. Halyburton Lieut. U.S.N.

6 to 8 P.M.—

Clear and pleasant, light airs from Sby E. Barometer steady. Ship rolling to long swell from W.N.W. Distilling with boiler D. Ship full and by, starboard tack making good E.N.E. by 6 with hardly steerage way. Under jib, foretopmast staysail, foresail, single reefed topsails and spanker.

E. Brock Lieut. U.S.N.

8 to Midnight.— Moonlight. Fair and pleasant. Light S.S.E. by airs. Barometer steady. Ship rolling to long W'ly swell, 6 per min, 5 each side. Distilling, boiler D in use. Hauled down foretopmast staysail and took in spanker at 8:16. Ship under single reefed topsails, topgallantsails, foresail and jib. Steering full and by on starboard tack with low steerage way making N 70° E to N 60° E (prs.c.)

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

F. F. Lopez
Lieut U.S.N. Navigator.

4—203

LOG of the UNITED STATES Steamship Essex **3rd Rate,**

Making Passage from New London Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Cirrus.	Amount, eighths.	State of the Sea.
A. M.																		
By Chip 1	1	0		N.E.	S.E. by E.	1			30.32	77	75	73	75	hc	Cu Cu & C		5	S
" 2	1	5		"	"	1			30.29	77	75	73	75	"	Cu "		5	"
" 3	1	0		"	"	1			30.29	77	74	72	75	"	Cu "		11	"
" 4	1	0		N.N.E.	E by S	1			30.29	77	74	72	76	"	Cu & C		3	"
" 5	Manning chip			Steered	"	1			30.29	77	74	72	75	"	" "		3	L
" 6	1	5	75.1	E by N.	S.E.	2	4	2	30.30	77	74	72	75	"	" & Cu		3	"
" 7	3	2	78.3	"	"	3	5	1/2	30.30	77	74	72	75	"	" "		3	"
" 8	1	4	79.7	"	"	2	4	1/2	30.30	77	74	73	76	"	" "		7	"
" 9	1	7	81.1	"	"	2	4	1	30.33	78	78	74	75	hcf	Cu Ni & C		5	"
" 10	1	7	82.2	"	"	2	4	1/2	30.35	78	78	75	75	hc	" "		4	"
" 11	3	0	85.2	S.26° W.	"	2	4	1	30.35	78	78	75	75	"	Cu Ni "		5	"
Noon.	2	2	87.0	S.30° W.	"	2		1	30.36	78	77	74	75	"	Cu "		3	"

Position at 8 A. M.	Latitude by D R	22° 32' " N
	Longitude by obs	38° 38' 30" W.
Position at noon:	Latitude by observation	22° 31' 25" N
	Longitude by observation	38° 42' 45" W
	Latitude by D. R.	22° 16' 6" N
	Longitude by D. R.	38° 43' " W
Course made good since preceding noon:		S.7° E
Distance made good since preceding noon:		7 miles.
Distance by Log since preceding noon:		6 9 miles.
Current per hour:	3 miles, set North, true.	
Position at 8 P. M.	Latitude by D R	22° 7' 0" N
	Longitude by obs	38° 23' 30" W.
Variation of compass:		16° 24' Wly
Error of compass observed at	4.44 P.M.	19° 8' Wly
Deviation of compass on	S.43° W.	8° 30' Wly
Water expended during the preceding 24 hours,		580 gallons.
Water	Distilling. during the preceding 24 hours,	1650 "
Water remaining on hand fit for use at noon,		2460 "
Coal consumed during the preceding 24 hours,		1 tons, 1860 lbs.
Coal remaining on hand at noon,		143 " 1921 "

P. M.																		
By Chip	2	5	87.8	S.W by S.	S.E. by E.	2-3	0-2	1/2	30.35	78	79	74	75	hc	Cu		4	S
" 2	2	2	88.2	"	"	2-3	0-2	1/2	30.35	78	78	74	75	"	Cu		4	"
" 3	2	0	88.2	"	"	2	0-2	1/2	30.33	78	78	74	75	"	"		4	"
" 4	2	8	90.1	"	"	3	0-2	1/2	30.32	78	78	74	75	"	Ni Cu		3	"
" 5	1	9	92.0	"	"	2	0-1		30.30	78	78	74	75	"	"		3	"
" 6	1	3	92.2	S.20° W.	"	2	0-1		30.30	76	76	74	75	"	"		4	"
" 7	1	2	92.5	S.15° W.	E.S.E.	2	0-1		30.32	77	75	74	75	"	"		6	"
" 8	1	5	93.8	"	"	3	5	2	30.32	77	75	74	75	"	"		6	"
" 9	2	0	95.8	S.17° W.	"	3	4	2	30.32	77	75	72	75	hc	Cu & Ni		7	L
" 10	3	4	99.2	"	"	3-4	8	1/2	30.33	78	75	73	75	"	"		8	"
" 11	4	1	3.3	"	"	3-4	8	1	30.33	78	75	73	75	"	"		9	"
" Mid.	3	6	6.9	"	"	3-4	8	1	30.33	77	75	72	75	"	"		8	"

under the command of Commander R. D. Davenport, U. S. Navy,

Thursday 11th Feb. ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. — Fair and pleasant, Moon rose at 2:20. Light airs from S.E. by E. to S. by E. Barometer fell slightly. Distilling with boiler D in use. At 2:29 took in the foresail the bunt falling. Full and by on starboard tack. Ship nearly under steerage way. Under single reefed topsails, jib and topgallant sails making W.S.W. (p.s.c.) and W.N.W. (p.s.c.) At 3:30 backed the reefs out of the topsails, made all plain sail except the spanker and the staysail, wore and brought the ship by the wind on the port tack at about 5:05. For the rest of the watch steered S. by W. by standard compass. At 6 put over patent log. Distilling with boiler D. 8 A.M. to Meridian.

P. Bolton Lieut. U. S. N.

Fair and warm. Light breeze from S.S.E. Port sight and cover fore and main rifles were lost during general quarters. Ship rolling easily to swell from W.N.W. Set clock ahead 3 minutes between 11 and 12. Ship full and by, port tack. Under all plain sail to royals except spanker. Course made good from 8 to 10 S. 49° W. 10 to 11 S. 36° W. from 11 to 12 S. 30° W. Went to general quarters at 9:30 divisions reporting as follows. Pds. 3.2 mins, 2nd pd 2 mins, 1st 4.2 mins, 2nd 5. 3rd 0. 4th 6. Nav. 6.4. Called colonels secure at 10:23 all divisions reporting within 8 minutes. Had routine drills second period. At noon, 5 sails in sight. Course desired, after 12 S. 7° E. Distilling from boiler D. Meridian to 4 P.M.

E. J. Beach Lieut. U. S. N.

Clear and fine. Light to gentle S.E. by E. by E. breeze. Barometer falling. Ship nearly steady. Distilling, boiler D in use. Held routine 3rd period drill. Exercised main topgallant yardmen at loosing and furling. Piggin topsail, 5th division had practice with gallery rifles. Five sail passed bound to N.E., exchanged colors with one, an Italian bark, two others were in sight ahead. Set spanker at 12:45 and topsail at 1:15. Under all sail save mainsail and main topmast staysail, full and by on port tack, making S.W. by S. (p.s.c.) and S.S.W. (p.s.c.) at end of watch.

Ralph Earle, Ensign U. S. N.

4 to 6 P.M. — Fair and pleasant. Light breeze from S.E. by E. Barometer steady. Distilling, boiler D in use. Between 4 and 4:30 P.M. sighted two more sail on starboard bow. At 5 Dutch four masted bark passed on starboard beam, exchanged colors. At 5:33 went to quarters for muster. Took single reefs in topsails and set topgallant sails. Full and by on port tack making good S.W. by S. (p.s.c.) and S. 30° W. (p.s.c.). Under jib foretopmast staysail, foresail single reefed topsails topgallant sails spanker trysail

P. Bolton Lieut. U. S. N.

6 to 8 P.M. — Fair and pleasant weather. Light airs from S.S.E. increasing to gentle breeze. Barometer steady. Ship rolling very easily to a long slight swell from N.W. Distilling with 2 boilers. Went to prayers. Ship by the wind under jib foretopmast staysail, foresail, spanker, main trysail and topgallant sails set over single reefed topsails, making the course (illegible)

E. J. Beach Lieut. U. S. N.

8 P.M. to Midnight. —

Generally cloudy. Gentle to moderate breeze from S.S.E. Barometer steady. Ship rolling to long N.W. swell. Course desired S. 11° E. (p.s.c.) Ship by the wind making good S. 9° W. Under jib foretopmast staysail, foresail, spanker, main trysail, topgallant sails set over single reefed topsails. Distilling from boiler D.

E. J. Beach Lieut. U. S. N.

Examined and found to be correct.

E. F. Leeper Lt. Navigator.

4—705

LOG of the UNITED STATES Training Ship Essex 3d **Rate,**

Making Passage from New London Conn to Point à Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 8th.	State of the Sea.
A. M.																		
1	3	6	9.5	S 17° W.	E by E.	3	3°	1/2	30. 30	75	74	71	75	bc	Fr Cu	E	7	S
2	3	6	13.1	"	"	4	4°	1/2	30. 29	75	74	70	75	"	"	"	7	"
3	4	4	17.5	"	"	4	4°	1/2	30. 29	75	74	70	75	"	"	"	7	"
4	1	9	19.4	"	"	3	2°	1/2	30. 27	75	74	70	75	"	Str Cu	"	5	"
5	2	6	22.0	S 12° W.	"	3	3°	1/2	30. 28	75	74	70	75	"	"	"	6	"
6	4	8	26.8	S 18° W.	"	3	3°	1	30. 28	75	75	71	75	"	"	"	8	"
7	3	2	30.0	"	"	3	3°	1	30. 28	75	75	71	75	"	"	"	8	"
8	3	7	33.7	South	E by S	3	3°	1	30. 31	75	75	72	75	"	"	"	8	"
9	3	6	37.3	"	East	3	6°	1/2	30. 36	75	75	72	75	"	Fr Cu Strat	"	9	S
10	4	2	41.5	"	"	4	6°	1/2	30. 37	76	75	72	75	"	"	"	9	"
11	3	4	44.9	S 11° W.	E by S	4	6°	1/2	30. 38	75	76	72	75	"	"	"	8	"
Noon.	3	1	48.0	S 18° W.	"	4	6°	1/2	30. 34	75	76	71	75	"	"	"	7	"

Position at 8 A. M.: Latitude by DR 21° 38' 7" N — Mag. Temp. 76-75
Longitude by obs 28° 53' 45" W — Sea Air 76-74

Position at noon: Latitude by observation 21° 9' 23" N
Longitude by observation 39° 1' 30" W
Latitude by D. R. 21° 13' 21" N
Longitude by D. R. 38° 52' 45" W

Course made good since preceding noon: S 13° W
Distance made good since preceding noon: 74 miles.
Distance by Log since preceding noon: 69.6 miles.
Current per hour: 0.4 miles, set S 68° W true.

Position at 8 P. M.: Latitude by 20° 36' 29" N
Longitude by 39° 11' 52" W

Variation of compass: 18° 00' W'ly
Error of compass observed at 4:57 19° 45' W'ly
Deviation of compass on S 45° W 3° 00' W'ly
Water expended during the preceding 24 hours, 500 gallons.
Water distilled during the preceding 24 hours, 800 "
Water remaining on hand fit for use at noon, 2700 "
Coal consumed during the preceding 24 hours, 1 tons, 655 lbs.
Coal remaining on hand at noon, 142 " 1766 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 8th.	State of the Sea.
P. M.																		
1	4	8	52.8	S 20° W.	SE by E.	4	5°	1	30. 30	75	76	71	75	bc	Cu	SE	4	S
2	4	9	57.7	S 23° W.	"	4	7°	1	30. 27	75	75	71	75	"	"	"	3	"
3	5	0	62.7	S 20° W.	S.E.	4	8°	1	30. 26	75	75	71	75	"	"	"	4	"
4	5	6	68.3	S 23° W.	"	4	9°	1	30. 26	75	75	71	75	"	"	"	3	"
5	3	7	72.0	S 23° W.	"	4	9°	2	30. 26	75	75	71	75	"	"	"	4	"
6	3	5	75.5	S 28° W.	"	4	9°	2	30. 26	75	75	71	75	"	"	"	3	"
7	4	4	79.9	S 34° W.	S.E.	4	7°	1/2	30. 28	77	74	71	75	"	Cu	—	2	"
8	3	0	82.9	S 34° W.	"	4	7°	1/2	30. 29	78	74	71	75	"	Cu S	—	4	"
9	2	3	85.2	S 16° W.	ESE	3	7°	2	30. 30	78	74	70	75	"	Fr Cu	ESE	7	"
10	2	9	88.1	S 22° W.	SE by E.	3	7°	2	30. 30	77	74	70	75	"	"	"	8	"
11	3	2	91.3	S 30 W.	"	3	7°	2	30. 30	76	74	70	75	"	"	"	7	"
Mid.	2	1	93.0	"	"	3	7°	2	30. 30	76	74	70	75	"	"	"	8	"

under the command of Commander R. D. Davenport, U. S. Navy,

Friday, 15, Feb, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M.— Cloudy & fair and pleasant. Gentle to moderate E.S.E'ly breze. Barometer falling. Ships steady. Morn rose over a cloud bank at 5:10. At 7:05 ships tanks being full, stopped distilling and banked fires in boilers B. Under single reefed topsails, foresail, topgallant sails, foretopmast staysail, jib, spanker and trysail by the wind on port tack making S 70° W (true) Log 19 — patent of watch.

Ralph Earle, Ensign U.S.N.

8 to 8 A.M.— Cloudy and pleasant. Gentle breze from E.S.E. to E by S. Barometer rising. Ship steady. Fires banked in boilers B. At 11:30 shook reefs out of topsails and set all sail except mainsail. At 6:30 took in trysail to hoist in motor launch. Mustered apprentices at 8 A.M. and sent them over masthead. Full and by on port tack under all sail except trysail and mainsail S 72° W (true) and S 80° W (pat log) and S (pat log).

F. R. Connor, Lieut. U.S.N.

8 A.M. to Meridian:— Cloudy and pleasant weather. Gentle breze from E. increasing to moderate breze and hauling to E by S. Smooth sea. Barometer high and steady. Ship nearly steady. At 9:30 inspected at quarters. At 9:53 went to fire quarters. At 10:05 got up boat provisions. At 10:09 sounded the call "Abandon Ship" at 10:30 called away armed boats for cutting out. The following times were reported:- For pre-quarters, First division 1½ minutes, Second 2½, Third 2½, Fourth 2, Fifth 1½, Navigator, 2½, and Cadets 3½. For abandon ship, all boats provided and ready in 3½ minutes and secured in 2 minutes; for armed boats, First Cutter, 8 minutes; Second 4½; Third 8; Fourth 7½; and whaleboat 2½; manned in 3 minutes. Short term of confinement being effected. Underwood, Apprentice 3 class, is released. Overhauled boat equipment and overhauled and cleaned the boat bags etc. Fires dying out in 2 boilers. Ship under single reefed plain sail but the mainsail, by the wind on the port tack, making good the following courses by the standard compass; till 10, South; from 10 to 11, S 80° W; from 11 to 12, S 70° W.

George N. Halyard, Lieut. U.S.N.

Meridian to 4 P.M.—

Warm and pleasant. Moderate breze from E by E to E.S.E. veered from S.E. Ship having 30 at end of watch. Barometer high and falling slowly. Ship on port tack, full and by. Course steered S 76° E (pat log) making good 12 knots. From 12 to 2 S 80° W, 2 to 3 S 80° W, 3 to 4, S 78° W all (pat log). Ship under main topmast staysail and all plain sail to royals except mainsail; set latter at 3. Overhauled battery from 1:30 to 3:30; from 3 to 4 at Dewey had target practice, gallery rifle. Tested flood cocks.

E. L. Beach, Lieut. U.S.N.

4 to 8 P.M.— Fair and pleasant. Moderate S.S.E'ly breze. Barometer steady. Ship steady with 25° heel to starboard. Overhauled battery, setting the port guns and running in and training over the starboard ones. At 4:30 mustered at quarters. Exercised at sail drill until 5:15. Shortened sail, furled, made sail and then took single reef in topsails with topgallant sails set over them. On port tack making S 70° W to S 80° W (pat log) under jib, foretopmast staysail, foresail, spanker, single reefed topsails and topgallant sails by 7:30 at end of watch.

Ralph Earle, Ensign U.S.N.

8 P.M.— Cloudy and pleasant. Moderate breze from S.E. Barometer now eighths. Ship steady with 25° heel to starboard. Furled sail by on port tack, under single reefed topsails, topgallantsail, jib, foretopmast staysail and spanker, making S 80° W (pat log) good.

F. R. Connor, Lieut. U.S.N.

8 P.M. to Midnight— Cloudy and pleasant weather. Gentle breze from E.S.E. hauling to S.E. by E. Barometer steady. Ship steady but heeled 25° to starboard. Smooth sea. Ship under jib, foretopmast staysail, foresail, spanker and topgallantsails set over single reefed topsails, by the wind on the port tack, steering by standard compass the following courses; till 9, S 80° W; from 9 to 12, S 85° W.

George N. Halyard, Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper, Lt. Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making Passage from New London Conn. to Point a Pitre.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, at noon.	State of the Sea.
A. M.																		
1	2	2	51.2	S 3rd W.	SE.	2-3	03	2	30.30	78	74	70	75	be	Cu-S	SE	7	8
2	3	1	54.3	"	"	3	18	2	30.24	78	74	70	75	oc	"	"	10	"
3	3	2	2.5	"	"	3	03	1½	30.28	78	74	70	75	be	Cu	"	6	"
4	2	2	3.6	"	"	2	03	1	30.28	77	73	68	74	"	Cu-S	"	8	"
5	3	4	7.0	"	"	3	05	1	30.28	77	73	68	74	"	Cu-S	"	8	"
6	4	2	11-2	"	"	3	5	1	30.28	77	74	70	74	oc	"	"	10	"
7	3	2	14.4	"	"	3	6	1	30.28	77	74	72	75	"	"	"	10	"
8	4	0	18.4	"	"	3	2	1	30.30	74	74	68	75	"	"	"	10	"
9	3	3	21.7	S 28° W.	SE by E	4	07	1	30.31	74	75	70	75	be	Fr Cu	"	7	"
10	5	2	26.9	"	"	4	09	1	30.32	76	77	71	75	"	"	"	8	"
11	4	4	31.8	S 15° W.	E.S.E.	4	09	1	30.32	76	77	72	75	"	"	"	9	"
Noon.	5	0	36.8	S 5° W.	E by S.	4	09	1	30.37	75	77	71	75	"	Cu	"	8	"

Position at 8 A. M. { Latitude by DR — 20° 3' 23" N — Mag Transit
Longitude by DR — 39° 20' 18" W. — Fobd Aft.

Position at noon: { Latitude by observation — 19° 44' 35" N — 76-74
Longitude by observation — 39° 28' 12" W. — 77-74
Latitude by D. R. — 19° 45' 23" N
Longitude by D. R. — 39° 33' 36" W.

Course made good since preceding noon: S 6° W.

Distance made good since preceding noon: 88. miles.

Distance by Log since preceding noon: 90. miles.

Current per hour: 62 miles, set S 91° E. true.

Position at 8 P. M. { Latitude by DR — 19° 39' 33" N
Longitude by obs. — 39° 38' 15" W.

Variation of compass:

Error of compass observed at No obs.

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water ~~~ during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 350 lbs.

Coal remaining on hand at noon, 142 " 766 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, at noon.	State of the Sea.
P. M.																		
1½ 30	1	9	38.7	S 5° E	East	4			30.87	75	76	72	75	be	Cu-Cu	E	7	8
	2	2	40.9	N 79° W	"	4			30.23	75	81	75	75	"	"	"	7	"
2	3	2	44.1	"	"	4			30.28	75	79	74	75	"	"	"	4	"
3	3	5	47.6	"	"	4			30.22	75	77	74	75	"	"	"	6	"
4	3	9	51.5	"	"	4	SP.		30.20	75	77	74	75	"	"	"	5	"
5	3	4	54.9	"	"	4	30.18		30.20	75	77	74	75	"	"	"	9	"
6	3	6	58.5	"	"	4	30.18		30.23	77	75	72	75	"	Cu	"	9	"
7	3	5	62.0	"	"	3	30.18		30.23	77	74	70	75	"	"	"	9	"
8	3	7	65.7	"	E. S. E.	3	30.18		30.23	77	74	70	75	"	"	"	9	"
9	4	2	69.9	"	"	3			30.26	76	74	70	75	"	"	"	9	"
10	3	1	73.0	"	"	3			30.26	76	74	70	75	"	"	"	9	"
11	2	8	75.8	"	"	3			30.26	76	74	70	75	"	"	"	9	"
Mid.	3	4	79.2	"	"	3			30.26	76	74	70	75	"	"	"	9	"

4—25

under the command of Commander R. P. Davenport, U. S. Navy,

Saturday 16, Feb. ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.— Generally cloudy, light to gentle breze from S.E. Ship full and by, port tack making course [p.s.c.] S 20° W. Course steers S by E. Ship rolling easily to S.E. swell. Heeling to about 5°. Ship under jib, foretopmast staysail, forecrail, single reefed topsails, topgallant sails and spanker at 4 8 AM.

E. L. Beach, Lieut. U. S. N.

Generally cloudy. Gentle S.S.E breze. Barometer rose slightly. Ship steady with list of 6° and an rearward hole of 15°. At 4.30 shook reef out of topsails, set royals, flying jib, and maintopmast staysail. At 7.15 set mainsail, steering by the wind on port tack making S 20° W [p.s.c.] under all plain sail to royals, fore and maintopmast staysails. At 8.00 mustered and sent apprentices to watch, greased mast-head, aired bedding. Log 15.4 at end of watch.

Ralph Earle, Ensign U. S. N.

8 to Midnight:— Cloudy and pleasant. Moderate breze from S.S.E by E. backing to S by E. Barometer rising. Saving fresh day. Piped down and bedding at 11.40 PM. Ship steady hauled about 90 on port tack full and by, under all sail but royals, making good S 20° W [p.s.c.] S 10° W [p.s.c.] and S 0° W. [p.s.c.]

W. Brown Lieut U. S. N.

Midnight to 4 AM— Cloudy but pleasant. Moderate breze from east. Barometer falling slowly. Ship under all plain sail except flying jib, mainsail and spanker. Hauled Course N 79° W. (p.s.c.) Max rolls 22° each side, 6 per minute. Engaged in inspecting clothing of men and apprentices.

P. F. Leafer. Lieut U. S. N.

4 to 8 AM.— Generally cloudy, Moderate breze from East. Ship under all square sail except mainsail, also foretopmast staysail. At 4.30 went to quarters. Then called hands topsails and furled royals, mainsail and flying jib and took single reefs in topsails. On course N 79° W. Ship before wind, rolling easily to S.S. swell. Max rolls 20° each side 6 per minute.

E. L. Beach. Lieut U. S. N.

4 to 8 PM. Cloudy and pleasant. Gentle East to E.S.E breze. Barometer steady. Ship rolling easily 6 per min. 20° each side. Under single reefed topsails, topgallant sails, forecrail and foretopmast staysail, on course N 79° W. [p.s.c.] log 65.7

Ralph Earle, Ensign U. S. N.

8 to Midnight:— Cloudy and pleasant. Gentle breze from E.S.E. Barometer steady. Ship rolling 6 per minute, 22° each side. On course N 79° W. Under single reefed topsails topgallant sails, forecrail and foretopmast staysail.

W. Brown Lieut U. S. N.

Examined and found to be correct.

P. F. Leafer Lt. Navigator.

4—366

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making Passage from Key West to Port au Prince.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 10=8.	State of the Sea.
A. M.																		
1	2	5	81.7	W 7½° W	E by S	3	2°		30.23	76	74	70	75	oc	Cu		10	2
2	3	5	85.2	"	"	3	2°		30.21	77	74	70	75	"	"		10	3
3	1	6	86.8	"	"	2	2°		30.19	77	74	70	75	"	"		10	"
4	2	6	89.4	"	S.S.E.	3	2°		30.19	77	73	69	75	"	"		10	"
5	2	6	92.0	"	"	2	2°	½	30.19	77	73	69	75	"	St Cu &		10	"
6	2	5	94.5	"	"	2	2°	½	30.19	77	73	69	75	"	"		10	"
7	2	5	97.0	"	"	2	2°	½	30.19	77	73	69	75	"	"		10	"
8	2	6	99.6	"	"	2	2°	½	30.19	77	73	69	75	"	"		10	"
9	2	7	102	"	E.S.E.	2		½	30.19	77	74	69	75	"	"		10	"
10	2	6	104	"	"	2			30.20	77	76	70	75	"	"		10	"
11	2	5	107	"	E by S	2			30.20	77	79	71	75	bc	St Cu &		9	"
Noon.	1	2	89	"	"	2			30.21	77	79	73	75	"	"		8	"

Position at 8 A. M.: Latitude by D.R. 19° 23' 29" N. Mag. Comp. Boat Left
Longitude by D.R. 40° 20' 12" W. 77-90 77-76

Position at noon: Latitude by observation 19° 21' 20" N.
Longitude by observation 40° 30' 12" W.
Latitude by D. R. 19° 21' 57" N.
Longitude by D. R. 40° 42' 32" W.

Course made good since preceding noon: S80° W.

Distance made good since preceding noon: 78 miles.

Distance by Log since preceding noon: 72 miles.

Current per hour: 0.16 miles, set S 35° W true.

Position at 8 P. M.: Latitude by D.R. 19° 20' 24" N.
Longitude by D.R. 40° 57' 54" W.

Variation of compass:

Error of compass observed at Noon observation

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water ——————— during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, " tons, 500 lbs.

Coal remaining on hand at noon, 142 " 266. "

P. M.																		
1	1	7	10.7	W 7½° N.	E.S.E.	2			30.21	78	79	73	75	bcm	Cu S		8	2
2	1	6	10.7	"	"	1½			30.20	78	79	73	75	"	"		8	"
3	0	5	10.7	"	"	1-0			30.19	77	78	72	75	"	"		8	"
4	0	5	10.9	"	"	1			30.17	77	78	73	75	"	Cu S		8	"
5	0	5		"	E by S.	1	3°8		30.17	77	77	75	75	bc	Cu S		9	"
6	0	7		"	"	1	3°0"		30.19	77	75	71	75	"	"		9	"
7	0	7		"	Calm	1			30.21	77	75	70	75	"	"		9	"
8	0	9	10.9	"	"	1			30.21	78	75	70	75	"	"		9	"
9	0	7	11.1	N 80° W	E.S.E.	0-1			30.21	77	76	70	75	oc	St Cu		10	"
10	1	3		"	S.E.	0-1			30.22	77	76	70	75	bc	Cu		6	"
11	0	5		"	S.S.E.	0-1			30.24	76	76	70	75	"	"		5	"
Mid.	0	11		"	"	1-0			30.26									

under the command of Commander R. S. Davenport, U. S. Navy,

Sunday Feb. 17, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM:- Cloudy and pleasant weather. Gentle breze from E by S fading to light airs and variable. Barometer falling slowly. At 1 AM wind hauled to S.S.E. and increased to gentle breze again. Barometer falling slowly. At 3 AM saw following swell which gave the ship a deep, quick uncomfortable, and nearly unfamiliar roll until the wind hauled when roll became easier with the yards hauled forward. About 4 double rolled to the minute. Greatest rolls: to starboard, 23°; to port, 19°. At 3 AM set the jib. Ship under jib, foretopmast staysail, foresail and topgallant sails set. Single reefed topsails. Course N. 79° W. by standard compass.

George N. Hayward Lieut. U. S. N.

4 to 8 AM:- Cloudy. Light breze from S.S.E. Barometer steady. Under jib, foretopmast staysail, foresail, single reefed topsails and topgallant sails. At 4:30 took in reef of topsails and set mainsail and royals. On course N. 79° W. (p.c.) Rolling easily to S.E. swell. Max. roll each side, 20°, 6 pr. min.

E. L. Beach Lieut. U. S. N.

8 to Meridian:- Generally cloudy and pleasant. Light S.S.E. to E by S breze. Barometer rose slightly. Ship rolling easily to NW by W swell 20° each side 6 pr min. Hauled down jib and up weather clew mainsail. At 9:15 At 9:30 mustered and inspected divine service. Performed Gen. Orders Nos. 17 and 18. Held general muster. The chaplain held divine service. A bark in sight bound N.W. passed. Under foretopmast staysail and all square sail save weather clew mainsail, on course N. 79° W. (p.c.) by standard compass.

Ralph Earle, Ensign U. S. N.

Meridian to 4 PM:-

Cloudy and pleasant. Light breze from S.S.E. to calm. Barometer fell slightly. Ship rolling 20° to 22° each side to N.W. swell. Hauled up courses the wind failing. Hauled in pat. log reading 10.9. On course N. 79° W. (p.c.) Under foretopgt staysail and spanker and light sail.

H. H. Watson Lieut. U. S. N.

4 to 6 PM:- Cloudy and pleasant weather. Light airs from E by S. Barometer steady. At 4:30 mustered at quarters, served out grog, hammocks. To port watch, and to furled the mainsail and the royals. Single-reefed the topsails, and set the topgallant sails over the topsails. At dark, bent-sided steamer with two masts and a black smoke pipe passed to port steering about W by S. Ship under foretopmast staysail and topgallant sails and single-reefed topsails, on course N. 79° W. by standard compass. Ship rolling at times very deeply, to

George N. Hayward, Lieut. U. S. N.

to Starboard, 23°; to port, 21°. Greatest rolls:

6 to 8 PM:- Generally cloudy, light airs from East. Barometer rising slowly. On course N. 79° W. (p.c.) Under foretopmast staysail, single reefed topsails and topgallant sails. Ship rolling easily to N.W. swell. Max. roll each side, 22° 6 pr. min.

E. L. Beach Lieut. U. S. N.

8 PM to Midnight:- Cloudy and pleasant. Calm with light occasional airs from southeast and southwest. Barometer rising. Ship rolling easily to NW by W swell, 6 pr. min. 20° each side. Put on pat. log at 8:30 reading 10.9 and hauled it in at 9:00, reading 11. At 8:30 changed course to N. 80° W. (p.c.). Under single reefed topsails, topgallant sails and foretopmast staysails making bare steerage way.

Ralph Earle, Ensign U. S. N.

Examined and found to be correct.

E. F. Lopez
Lieut. U. S. N. Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from New London Conn. to Point a Pitre.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	3	4		N 20° W.	East	0-1			30.20	77	75	70	75	Lc	Cu S	C	9	S
2	0	5		"	NE.	0-1			30.17	77	75	70	75	"	"	"	10	"
3	0	5		"	"	0-1			30.15	77	75	70	75	"	A Cu	"	9	"
4	0	5		"	E.S.E.	0-1			30.14	77	75	70	75	"	"	"	9	"
5	0	9		"	Ely S.	1			30.11	77	75	71	75	"	Cu S. Cbs	S	7	L
6	1	6		"	"	1			30.10	77	75	71	75	"	"	"	8	"
7	2	8	11.1	"	"	3			30.10	77	76	71	75	"	"	"	9	"
8	3	5	16.1	"	"	4			30.12	77	75	71	75	C	"	"	9	"
9	3	4	19.5	"	E.S.E.	4			30.19	76	76	71	75	Lc	"	"	9	"
10	2	1	21.6	"	"	3			30.19	76	77	72	75	"	"	"	9	"
11	3	1	24.7	"	"	4			30.20	77	77	71	75	"	A Cu	"	8	"
Noon.	1	1	25.5	"	"	1			30.22	77	77	72	76	"	"	"	5	"

Position at 8 A. M. { Latitude by D.R. 19° 25' 31" N. — May Flood
Longitude by D.R. 41° 11' 11" W. — Ebb at 11h.

Position at noon: { Latitude by observation 19° 26' 53" N. — 77 — 77.5
Longitude by observation 41° 31' 08" W.
Latitude by D. R. 19° 26' 30" N.
Longitude by D. R. 41° 28' 6" W.

Course made good since preceding noon: S 80° W.

Distance made good since preceding noon: 38.8 miles.

Distance by Log since preceding noon: 39.6 miles.

Current per hour: .25 miles, set N 66° W true.

Position at 8 P. M. { Latitude by D.R. 19° 27' 17" N.
Longitude by D.R. 41° 50' 27" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water ~~~~ during the preceding 24 hours, ~~~~ "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 144 " 2000 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	4	4	28.8	N 80° W.	E.S.E.	2			30.18	77	79	71	75	Lc	Cu Cu	C	3	S
2	2	2	30.8	"	"	2			30.16	78	78	71	76	"	"	"	4	"
3	3	4	33.2	"	"	3			30.14	74	80	71	76	"	Cu Nb St	"	5	"
4	4	2	36.0	"	S.E.	4			30.13	74	80	71	76	"	"	SC.	6	"
5	2	1	37.1	"	"	3			30.13	74	79	71	76	"	"	"	9	"
6	1	0	37.4	"	S.E.	1			30.11	74	78	71	76	Lc	Cu Cu		8	L
7	1	0	37.4	"	Sby E	1			30.15	74	78	71	76	"	"		7	"
8	0	4		"	S by E	0-1			30.16	75	77	71	76	"	"		1	"
9	0	0		"	SE by S	1			30.17	75	77	71	76	"	Cu St	Cu St	3	"
10	0	0		"	S.S.E.	1			30.17	75	77	71	76	"	"	"	4	"
11	1	1	38.1	"	"	2			30.17	75	76	71	76	"	"	"	2	"
Mid.	0	5	38.4	"	"	1			30.17	75	75	72	76	"	"	"	5	"

4-26

under the command of Commander R. G. Davenport, U. S. Navy,

Monday Feb. 18 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.- Cloudy, calms and variable airs from E. & E. to N.E. Barometer falling. Ship rolling to NW'ly swell. May roll to starboard 20° to port 18°. On course W. 80° N. (p.s.c.) under single reefed topsails, topgallant sails and foretopmast staysail.

W. Brown Lieut. U. S. N.

4 to 8 AM.:- Cloudy and pleasant weather. Light airs from S by E increasing to moderate breezes. Barometer steady. Ship rolling deeply to a long easy swell from N.W. Hardest rolls to starboard 20°; to port 19°. At 4:30 turned the reefs out of the topsails and set the royals. Scrubbed hammocks. Ship under the foretopmast staysail and the fore and main topsails, topgallant sails, and royals; on course W. 80° N. by standard compass. At 6:30 put over patent log.

George N. Hayward Lieut. U. S. N.

8 to Meridian.-

Warm and pleasant. Moderate breeze from S.S.E. decreasing in force. Light airs from S.S.E. last hour. Barometer about steady. Ship rolling easily. May 30 reach side. Went to quarters at 7:30. Held drills as per routine, during the forenoon drill periods, ships on course W. 80° N. p.s.c. under foretopmast staysail, and royal sail to royals, except course. Punishments awarded by Comdg. Officer, Sr. Steele, A. Sel. Throwing clothing overboard, three extra duty. M. Fitzgerald, Ord. Seaman, two hours extra drill, and taken back to Chief Master at Arms, 10 hrs extra duty.

E. Brack Lieut. U. S. N.

Meridian to 4 P.M.:- Generally fair and pleasant. Light to moderate S. & S.W. breeze. Barometer falling. Ship rolling easily 6 p.s.m. to each side. At 1:30 went to quarters and turned in hammocks. Held routine 3rd period drills. At 2 set foresail and let clew of mainsail, setting the weather one at 3:00. The fore royal yard was sprung at fishings said from 2:15 to 3:00. From 3:00 to 3:30 Sch. Dunmore had practice with gatling rifle. Under all square said and foretopmast staysail on course W. 80° W. (p.s.c.) log 5.0 at end of watch.

Ralph Earle, Ensign U. S. N.

4 to 8 PM.:- Cloudy, pleasant weather. Light airs from S by E. Smooth sea. Barometer rising slowly. Ship rolling easily 12° each side. At 4:30 mustered at quarters and served out clean hammocks & starboard watch. Exercised at carbine drill. Took in and furled all sail, loosed and made ready royals, then took in and furled royals and, course took a single reef in topsails and set topgallant sails over them. At beginning of watch ships under foretopmast staysail and all square sail to royals. At end of watch under single reefed topsail topgallant sails and foretopmast staysail. On course W. 80° W. At 6:30 hauled in patent log.

F. H. Newman Lieut. U. S. N.

8 to 12 PM.:- Cloudy to clear at end of watch. Light airs from S.S.E. to S by E. calms. Barometer rose slightly. Ship steady. At 11:15 set jib, spanker and topsail. On course W. 80° W. (p.s.c.). Under jib foretopmast staysail, topsail and spanker, single reefed topsails and topgallant sails.

R. R. Wilson Lieut. U. S. N.

8 to Midnight:- Clear, then cloudy and pleasant weather. Light airs from S.E. by S. hauling to S.S.E., increasing to light airs, and steam sailing again. Barometer steady. Ship rolling easily to a long swell from N.W. Hardest rolls to starboard, 15°; to port 11°. Squared up main topsail and spanker. Ship under jib, foretopmast staysail, and topgallant sails set over single reefed topsails. At 11 put over patent log. Log 25.4

George N. Hayward Lieut. U. S. N.

Examined and found to be correct.

F. F. Leiper Navigator.

4—205

LOG of the UNITED STATES Steamship Ship Essex 3rd Rate,

Making Passage from New London Conn. to Point a Petre

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1	1	0	40.1	N. 80° W.	Var. 1	1			30.18	79	76	72	75	be f	Cu Ni		7	I.
By Obs. 2	1	0	40.9	"	"	0.1			30.18	79	76	71	75	"	"		6	"
" 3	0	8	41.5	"	E. S. E.	0.1			30.	79	76	71	75	be	"		4	"
4	0	6	41.5	"	"	0.1			30.	79	75	71	75	"	Ci		2	"
5	0	1	41.6	"	"	1			30.	79	75	71	75	"	St Cu		4	"
By Obs. 3	0	6	41.6	"	"	1			30.	78	75	71	75	"	"		8	"
" 7	0	6		"	"	1			30.	76	74	71	75	"	"		8	"
8	1	3	44.5	"	"	2			30.	76	77	72	75	"	Cu.		7	"
By Obs. 4	0	7	44.9	"	"	0.1			30.	78	79	72	75	hem	St Cu		4	I
" 10	1	0	45.0	"	"	1			30.	78	78	72	75	"	"		4	"
" 11	1	0	45.7	"	"	1			30.	78	78	72	75	"	"		4	"
Noon.	2	0	47.6	"	S. E. by E.	2.3			30.	79	78	72	75	be	Cu		4	"

Position at 8 A. M.	Latitude by D.R.	19° 26' 0" N.
	Longitude by obs	42° 9' 25" W.
Position at noon:	Latitude by observation	19° 25' 18" N.
	Longitude by observation	42° 15' 32" W.
	Latitude by D. R.	19° 2' 0" N.
	Longitude by D. R.	42° 08' 56" W.
Course made good since preceding noon:		S. 79° W.
Distance made good since preceding noon:		42.6 miles.
Distance by Log since preceding noon:		46.3 miles.
Current per hour: 1.5 miles, set S. 21° W. true.		
Position at 8 P. M.	Latitude by D.R.	19° 19' 24" N.
	Longitude by obs	42° 25' 57" W.
Variation of compass:		13° 20' W'ly
Error of compass observed at 8 P.M.		18° 11' W'ly
Deviation of compass on N. 79° W.		2° 51' W'ly
Water expended during the preceding 24 hours,		500 gallons.
Water ——— during the preceding 24 hours,		——— "
Water remaining on hand fit for use at noon,		700 "
Coal consumed during the preceding 24 hours,		tons, 600 lbs.
Coal remaining on hand at noon,		114 " 1500 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, as to 10.	State of the Sea.
P. M.																		
1	2	1	48.0	N. 80° W.	S. E.	3			30.19	77	78	74	76	be	Ci Cu	E	5	I
2	2	9	48.9	"	"	2			30.19	78	81	75	76	"	"	"	6	"
3	2	6	51.5	"	"	2			30.18	78	80	75	76	"	"	"	5	"
By obs. 4	1	0	52.5	"	"	1			30. 18	78	78	74	76	"	Cu	"	4	"
5	1	8	52.5	"	"	1			30.18	78	77	74	76	"	"	SE	3	"
6	1	2		"	"	2			30.18	79	76	73	76	"	"	"	5	I
7	1	6	53.3	"	"	1			30.18	79	76	73	76	"	"	"	5	"
8	1	5	54.6	"	"	1			30.20	79	76	73	76	"	St Cu	"	5	"
9	1	0	55.2	N. 81° W.	"	2			30.23	79	75	72	76	"	"	"	5	"
10	1	2	56.3	"	"	2			30.25	79	75	72	76	"	"	"	6	"
11	2	0	57.8	"	"	3			30.25	78	75	72	76	"	"	"	7	"
Mid.	1	9	59.1	"	"	3			30.25	78	75	72	76	"	"	"	8	"

under the command of Commander R G Davenport, U. S. Navy,

Tuesday February 9, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM.- Cloudy at first, with fine rain, clearing up last two hours. Light airs from E by S to E S E and calm. Ship on course N 80° W (P.S.C.) with Lively Steerageway. Under jib, foretopmast staysail and lateen sails all coil ample rigged. Topsails. Ship rolling easily. Max 15° each side 6 per minute.

E L Beach. Lieut U S N.

Generally cloudy to fair. Light airs and brezes from E S E. Barometer rising. Ship rolling 6 per min, 15° each side. At 4.30 set royals, hauled down jib and shook reefs of topsails. At 5:00 mustered and sent apprentices of watch over masthead. Scrubbed hammocks. Log hauled in from 5:00 to 8:00 On course N 80° W. (P.S.C.) Under all square sail and foretopmast staysail.

Ralph Earle, Ensign U. S. N.

8 AM to Meridian.- Fair and pleasant. Light airs to gentle breze from E S E to S E by E. Barometer steady. On course N 80° W. Under foretopmast staysail and all square sail except courses. At 9:30 mustered and inspected at quarters. Exercised divisions, routine drill. 2nd drill period, equipped battalion in light marching order and exercised at battalion drill. Commenced getting up backstays forward. The Commanding Officer marched the following punishments: C Bromberger, Cox, Insubordinate conduct during divisional drill, reduced to 4th class; A Fowler, App 3c, absenting himself from division during instruction, 6 hrs extra duty; C E Edgerly, App 3 C, and J Gebeline, App 3 C, Leaving government property 5 hrs extra duty for each. Ship rolling easily 18° each side.

J H Towers Lieut U. S. N.

Meridian to 4 PM.- Fair and pleasant. Gentle breze to light airs from E. Barometer steady. At 1 PM went to quarters to turn in scrubbed hammocks. During 3d drill period held routine drills, sewing clothing and small arms, scraping smoke pipe. The forecastle and main yard men exercised at furling and loosing on monkey yard from 2:30 to 3:00 PM. The 1st Division of the water boat gallery target practice from 2 to 4 PM. Rigged smoke pipe and started fires in boiler B for distilling purposes. Set foresail at 4:30 On course N 80° W. (P.S.C.) under all square sail but mainsail, also foretopmast staysail. At 6 PM.-

W. W. Gilmer Lieut U. S. N.

Fair and pleasant weather. Light airs to light breze from E. Barometer steady. Ship rolling moderately to a long swell from W N W. Grateful rolls 5° to starboard 18° to port 10°. At 8:00 called all hands furled sail and then cooled and made sail as before. Ship under all plain sail but flying jib, jib, mainsail and Jackass, on course N 80° W by standard compass. Steam for hoisting in B boiler, running electric and small steam

George N. Hayward Lieut U. S. N.

Clear and pleasant. Light airs from S E. Barometer steady. Ship on course N 80° W (P.S.C.) under foretopmast staysail and square sail except mainsail. Ship nearly steady.

E L Beach. Lieut U. S. N.

8 PM to Midnight.- Cloudy and pleasant. Light & gentle S E by breze. Barometer rising. Ship nearly steady. Distilling using boiler B. Under foretopmast staysail and all square sail save mainsail. At 8:00, Log 81. Changed course to N 80° W. (P.S.C.)

Ralph Earle, Ensign U. S. N.

Examined and found to be correct.

E. F. Leiper, Lieut Navigator.

4—206

LOG of the UNITED STATES Steaming Ship Essex. 3d. Rate,

Making Passage from New London, Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	7	3	63.0	N 81° W	S.E.	2			30.21	78	74	72	76	bc	Stu	Sc	8	L
2	1	6	63.2	"	"	2			30.21	78	74	72	76	"	"	"	7	"
3	2	7	65.2	"	"	2			30.21	78	74	72	76	"	"	"	6	"
4	2	5	67.8	"	"	2			30.21	78	74	72	76	"	"	"	5	"
5	3	0	67.8	"	"	3			30.21	78	75	72	76	"	"	"	6	"
6	3	3	71.3	"	"	3			30.21	78	75	72	76	"	"	"	8	"
7	3	3	74.6	"	"	3			30.21	78	75	72	76	"	"	"	6	"
8	3	1	77.7	"	S.E. by E.	3			30.21	78	75	72	76	"	"	"	6	"
9	3	3	81.0	"	"	3			30.21	77	75	73	76	"	Cu	"	5	"
10	2	8	83.8	"	"	3			30.31	78	79	76	76	"	"	"	4	"
11	2	6	86.4	"	"	3			30.31	80	80	76	76	"	"	"	6	"
Noon.	2	5	88.9	"	"	3			30.21	80	80	76	76	"	"	"	5	"

Position at 8 A. M. { Latitude by DR — 19° 14' 36" N — Mag. Sun
Longitude by obs — 43° 9' 11" W — Sun — Alt.

Position at noon: { Latitude by observation — 19° 17' 6" N — 76°15' — 77°73'
Longitude by observation — 43° 23' 11" W
Latitude by D. R. — 19° 12' 18" N
Longitude by D. R. — 43° 14' 04" W.

Course made good since preceding noon: S 82° W.

Distance made good since preceding noon: 65.2 miles.

Distance by Log since preceding noon: 53.8 miles.

Current per hour: 1.4 miles, set N 61° W true.

Position at 8 P. M. { Latitude by — 19° 11' 30" N
Longitude by — 43° 32' 54" W

Variation of compass: 12° 30' W

Error of compass observed at 4.52 — 17° 46' +

Deviation of compass on N 87° W. — 5° 16' +

Water expended during the preceding 24 hours, 500 gallons.

Water Distilling during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 1 tons, 1665 lbs.

Coal remaining on hand at noon, 139 " 2061 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	1	7	90.6	N 90° W														
				N 81° W	E. by E.	3-4	4		30.31	81	78	74	76	bc	Cu8		6	L
2	2	5	92.1	"	"	3-4	4		30.31	81	79	74	76	"	"		8	"
3	3	0	96.1	"	"	3-4	4		30.29	80	79	75	76	bc	Cu	Sc	6	"
4	3	2	99.3	"	"	4			30.29	80	79	75	76	bc	Cu8	"	5	"
5	4	0	103.2	"	"	4			30.29	80	77	73	76	"	"	"	5	"
6	3	9	107.1	"	"	4			30.29	78	75	72	76	"	"	"	5	"
7	4	0	111.1	"	"	4			30.29	78	75	72	76	"	"	"	4	"
8	4	5	115.6	"	"	4			30.32	78	75	72	76	"	"	"	4	"
9	4	4	120.0	"	East	4			30.33	79	75	71	76	"	"	"	2	"
10	4	3	124.3	"	"	4			30.32	79	75	71	76	"	"	"	3	"
11	4	4	128.7	"	E. by S	4			30.32	79	75	71	76	"			1	"
Mid.	4	4	133.1	"	"	4			30.32	78	75	71	76	"			1	"

under the command of Commander A G Davenport, U. S. Navy,

Wednesday Feb 10, 190 . .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and pleasant. Light breeze from S.E. Barometer steady. Under foretopmast staysail and all square sail except mainsail. Course N.W.N. Ship rolling easily 10° each side. Steam on boiler B for distilling. [illegible] Lieut U.S.N.

4 to 8 P.M.- Fair and pleasant. Gentle & moderate breeze from S.E. to S.E. by E. Barometer rising. At 5:15 P.M. mustered and sent apprentices over mainhead. Scrubbed wash clothes. On course N.81° W. (p.s.c.). Under foretopmast staysail and all square sail but mainsail. Steam on boiler B for distilling. [illegible] Lieut U.S.N.

8 P.M. to Midnight.- Fair and warm weather. Gentle breeze from S.E. by E. Barometer steady. Ship rolling easily and deeply to a low long swell from N.W.N. At 9:30 inspected at quarters and had routine drills for first and second periods. At 10 hauled down foretopmast staysail and hoisted it. Got up clothing and small stores ready for issuing out. Distilling with B boiler. Greatest roll 7° to starboard 8°; to port 10°. Captain assigned to A. Lucas Apprentice B Class the punishment of 10 hours extra duty for secreting himself in hammock netting during quarters on the 9th inst. Clock back 3 minutes. George A. Hayward Lieut U.S.N.

Midnight to 4 P.M.-

Fair and warm. Gentle & moderate breeze from E.S.E. to East. Had routine drills from 1:30 to 2:15. Instructed from 2:15 to 3 [illegible] seaman royal gardener, also apprentices of watch, in loosing and furling, on mizzen royal of mizzen mast. Sailing target practice was not held by order of Commanding Officer, because boys were drawing clothing. Saved out clothing and small stores to apprentices. Ship on course N.81° W. (p.s.c.) until 2:16 and from thence on course N.82° W. Ship under foretopmast staysail and [illegible] to royals. Distilling from boiler B. E L Beach Lieut U.S.N.

4 to 8 P.M.- Fair and pleasant. Moderate E.S.E. by E. breeze. Barometer steady. Ship rolling easily 6 to 8 per minute 10° each side. Distilling, boiler B in use. Completed the issue of clothing and small stores. From 4:35 to 5:15 held sail drill, furled sail, made sail, took in reefs in topsails and made sail again as before. On course N.82° W. (p.s.c.) under foretopmast staysail and all square sail save mainsail, log 112 and 2 watch. Ralph Earle Ensign U.S.N.

8 to 12 P.M.- Fair and pleasant. Moderate breeze from E.S.E. Smooth sea. On course N.82° W. Under foretopmast staysail and all square sail except mainsail. Pt. at end of watch 2 a.1. Steam in boiler B. Distilling. Ship rolling easily 6 per min. 12° each side. Barometer rising. [illegible] Lieut U.S.N.

12 to 4 A.M.- Fair and pleasant, Moderate breeze from E. to E. by S. Barometer rising. Ship rolling 6 to 7 times a minute, about 8° each side. Steam in boiler B for distilling purposes. On course N. 82° W. (p.s.c.), under foretopmast staysail and all square sail but mainsail. [illegible] Lieut U.S.N.

Examined and found to be correct.

E. F. Leffler
Lieut. Navigator.

4—266

LOG of the UNITED STATES *Training Ship Essex* 3d. Rate,

Making Passage from New London, Conn. to Port au Spain

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	4	7	48	NE° N.	E.S.E.	4			30.32	77	75	72	76	be	Cu Cu	Cbs	3	L
2	4	7	56.5	"	"	4			30.32	77	75	72	76	"	"	"	4	"
3	4	3	63.8	"	"	4			30.30	76	75	72	76	"	"	"	4	"
4	4	4	72.2	"	E by S	4			30.29	76	75	71	76	"	"	Ebs	4	"
5	4	8	80.0	"	"	4			30.28	76	75	71	76	"	"	"	4	"
6	4	8	88.8	"	"	4			30.28	76	75	71	76	"	"	"	4	"
7	4	4	97.2	"	"	4			30.28	76	75	71	76	"	"	"	4	"
8	5	3	106.5	"	"	4			30.30	76	76	71	76	"	"	"	4	"
9	5	0	116.5	"	"	4			30.30	76	76	71	76	"	"	"	4	"
10	4	5	124.0	"	"	4			30.30	77	78	74	76	"	"	"	4	"
11	4	8	132.8	"	East	4			30.31	77	80	75	76	"	"	"	5	"
Noon.	4	9	142.7	"	"	4			30.30	77	80	76	76	"	"	"	4	"

Position at 8 A. M. { Latitude by *D.R.* 19° 02' 00" W. Mag. Temp. 76
Longitude by *obs* 44° 48' 00" W. Bar. 30.

Position at noon: { Latitude by observation 19° 04' 30" W. 76 76
Longitude by observation 45° 00' 06" W.
Latitude by D. R. 18° 58' 32" W.
Longitude by D. R. 45° 12' 22" W.

Course made good since preceding noon: S 85° W.

Distance made good since preceding noon: 96.2 miles.

Distance by Log since preceding noon: 100.5 miles.

Current per hour: 4 miles, set W 25° S true.

Position at 8 P. M. { Latitude by *D.R.* 18° 36' 48" W.
Longitude by *obs* 45° 47' 32" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water *Distilling* during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 138 " 201 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	2	0	98.3	NNW° W. NW° W.	East	4			30.28	78	80	76	76	be	Cu Cu	Csd	3	M
2	4	7	3.0	"	"	4			30.26	78	80	76	76	"	"	"	3	"
3	4	3	7.3	"	"	4			30.25	78	80	76	76	"	"	"	3	"
4	4	7	15.0	"	"	4			30.25	78	79	75	76	"	Cu	"	3	"
5	4	1	16.1	"	"	4			30.25	78	76	73	75	"	Cu Cu	"	3	"
6	4	6	20.7	"	"	4			30.25	78	76	74	75	"	"	"	3	"
7	4	4	25.1	"	"	4			30.29	79	76	73	76	beam	Cu	—	2	"
8	4	5	29.6	"	"	4			30.33	79	75	72	76	be	"	—	2	"
9	5	7	35.3	"	"	4			30.32	79	75	72	76	"	"	E	2	"
10	5	4	40.7	"	"	4			30.30	78	74	72	76	"	Cu	"	1	"
11	5	2	45.9	"	E.S.E.	4			30.30	78	74	72	76	"	Cu	"	1	"
Mid.	5	6	51.5	"	"	4			30.30	78	74	72	76	"	"	"	1	"

under the command of Commander R.G. Davenport, U. S. Navy,

Thursday Feb 21, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM. Clear and very pleasant weather. Moderate breeze from E.S.E. backing to E by S last hour. Barometer steady. Ship rolling easily to a swell from W.N.W. Distilling with 3 boilers. Ship under all plain sail but ~~[illegible]~~ jib, mainmast and spanker, on course N 82° W by standard compass. George N. Halpin Lieut U.S.N.

4 to 8 AM. Fair and pleasant, Moderate E by S by breeze. Barometer about steady. Ship rolling 6 per min. 20° each side. Distilling, boiler B in use. Mustered and sent apprentices to watch over masthead. Small patches of sea weed passing. Under foretopmast staysail, all square sail sec. mainsail, on course N 82° W, per C/C by log 18.2 at end of watch.

Ralph Earle, Ensign U.S.N.

8 AM to Meridian.

Fair and pleasant. Moderate breeze from E by S at East. Barometer steady. Per course N 82° W. Under foretopmast staysail and all square sail except mainsail. At 9:30 beat to quarters and relieved till 10:30, then secured. Second drill period executed at routine abandon ship drills. Steam in boiler B. Distilling. Ship rolling easily 6 per minute. 10° each side. Patent log at end of watch 95.7. At 1 o'clock stopped 3 minutes for [illegible] Meridian Lat 6° 4 P.M.

J.H. Brown Lieut U.S.N.

Fair and pleasant. Moderate Easterly breeze. Barometer falling. Distilling with boiler B in use. Ship rolling 6 times per minute from 5° to 23° each side. At 1:30 went to routine drills. From 2:30 PM to 3 PM exercised main topgallant yardmen at loosing and furling command yard. The 3rd Div. of the watch had gallery practice from 3:45 to 4:00 PM. On course N 82° W. [illegible] under foretopmast staysail and all square sail but mainsail until 4:30 when changed course to W.N.W. [illegible] 4:45 PM.

W.S. Clark Lieut U.S.N.

Fair and pleasant weather. Moderate breeze from East. Barometer steady. Ship rolling easily to a moderate following sea. At 9:30 mustered at quarters and had sail drill until about 5:00. Ship under all plain sail but flying jib, jib, mainsail and spanker, on course [illegible] as per log. Distilling with 3 boilers.

George N. Halpin Lieut U.S.N.

6 to 8 PM.

Fair and pleasant. Moderate East'ly breeze. Barometer rising. Moonlight. Ship rolling 6 per min. 12° each side. At 6:45 stopped distilling, circulating pump being stuck. Under foretopmast staysail, all spanker sail and mainsail. On course N 82° W. [illegible] log 29.6 at end of watch.

Ralph Earle, Ensign U.S.N.

8 PM to Midnight. Fair and pleasant, Moderate breeze from East to S.E. Moderate sea. Barometer steady. On course N 86° W. Under foretopmast staysail and all square sail except mainsail. At 11:45 set jib and spanker. Ship rolling easily 6 per min. 15° each side. Commenced distilling. Steam in boiler B. Patent log at end of watch 8.5.

J.H. Brown Lieut U.S.N.

Examined and found to be correct.

E.F. Leiper Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex 3d. Rate,

Making Passage from New London, Conn. to Port au Piter

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb	TEMPERATURE. Air Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 10-10.	State of the Sea.
A. M.							0.46											
1	3	6	55.1	W. 86° W.	E.S.E.	3-4	0-5		30.33	79	75	73	75	bc	Cu S	East	8	S
2	4	2	58.3	"	"	3-4	0-5		30.33	79	75	73	75	"	"	"	5	"
3	4	5	62.8	"	"	4	0-6		30.31	79	75	73	75	"	Fr Cu	"	4	"
4	5	4	69.2	"	"	4	0-7		30.29	79	75	73	75	"	"	"	1	"
5	4	6	73.8	"	East	4			30.25	78	75	72	74	"	Fr Cu A-Cu	"	3	"
6	5	0	78.8	"	"	4			30.25	78	75	72	76	"	"	"	6	"
7	4	4	83.2	"	"	4			30.27	78	76	73	76	"	"	"	4	"
8	5	3	88.5	"	"	4			30.27	79	76	73	76	"	"	"	2	"
9	4	4	93.9	"	E by S.	4	0-4		30.28	79	78	72	76	bc. m.	Cu	"	4	"
10	5	1	98.0	"	S.E.	4-5	0-7		30.26	79	79	73	76	"	Cu S	"	4	"
11	5	9	3.9	"	"	5	0-9		30.30	78	78	72	76	"	"	"	8	"
Noon.	4	9	8.8	"	E.S.E.	4	0-7		30.31	78	79	74	76	"	A Cu	"	4	"

Position at 8 A. M. { Latitude by DR. 18° 43' 20" N. Mem. Tank
Longitude by obs 44° 30' 0" W. Fish Off.

Position at noon: { Latitude by observation 18° 43' 46" N. 77.75 40.76
Longitude by observation 47° 7' 21" W.
Latitude by D. R. 18° 39' 12" N.
Longitude by D. R. 47° 01' 28" W.

Course made good since preceding noon: S 80 W.

Distance made good since preceding noon: 115.4 miles.

Distance by Log since preceding noon: 116.1 miles.

Current per hour: .3 miles, set N 49° W. true.

Position at 8 P. M. { Latitude by DR 18° 37' 28" N.
Longitude by obs 47° 33' 48" W.

Variation of compass: 10° " Wty

Error of compass observed at 7:42 P.M. 18° 30' Wty

Deviation of compass on NW by W. 5° 30' Wty.

Water expended during the preceding 24 hours, 500 gallons.

Water Distilling during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 2 tons, 215 lbs.

Coal remaining on hand at noon, 135 " 2226 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb	TEMPERATURE. Air Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 10-10.	State of the Sea.
P. M.																		
1	2	7	3.9	W. 86° W.	E.S.E.	4			30.28	77	80	76	76	bc	S Cu	East	5	S
2	3	1	12.4	"	"	4			30.26	77	82	77	76	"	"	"	7	"
3	3	6	15.7	"	East	4			30.24	77	79	76	76	"	A Cu	"	5	"
4	3	5	21.6	"	"	4			30.23	77	78	75	76	"	"	"	7	"
5	3	6	25.2	"	"	4			30.23	77	77	75	76	"	Cu M	"	5	"
6	3	9	29.1	"	"	4			30.26	77	76	74	76	"	"	"	5	"
7	3	9	32.0	"	"	4			30.26	78	75	73	76	"	F. Cu	"	3	S
8	3	6	36.1	"	E by S	4			30.29	79	75	72	76	"	"	"	1	"
9	3	2	39.3	"	"	4			30.30	79	75	72	76	"	Cu	"	4	"
10	3	2	42.3	"	"	4			30.30	78	75	72	76	"	"	"	3	"
11	3	2	45.5	"	"	4			30.30	78	75	72	76	"	"	"	4	"
Mid.	3	2	48.9	"	"	4			30.30	78	75	72	76	"	Cu M	"	8	"

4-206

under the command of Commander R. G. Davenport, U. S. Navy,

Friday Feb 22 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and pleasant. Gentle to moderate breze from E.S.E. Barometer fell slightly. Steam on boiler B for distilling purposes. Ship rolling 6 times a minute & following swell. May roll to starboard, 20° to port, 12° Abt course N 86° W (p.s.c.) under foretopmast staysail, jib, spanker and all square sail but mainsail until 12:30 when took in jib and spanker. At 6 P.M.

J. H. Brown 2nd Lieut. U.S.M.

Fair and pleasant, warm at the end. Moderate breeze from East. Barometer steady. Ship pitching and rolling easily & sea almost smooth. Cleaned and dumpted the bilges outside of the Engineers department. Ship under all plain sail but the flying jib, jib, mainsail and spanker. On course N 86° W (p.s.c.) compass. At 8 A.M. at Muster.

George N. Hayward 2nd Lieut. U.S.M.

Cloudy to clear and pleasant. Moderate & stiff breeze from NE. to E by S. Barometer rising slowly. Ship rolling at times, 6 per min 6° to starboard and 3° to port. Distilling boiler B in use. At 9:30 mustered at quarters. Hoisted colors at 8:00. General mustering day. Set clock back 5 minutes at 11:00. At 12:00 fired a salute of 21 guns in honor of Lieut. George Washington. Under foretopmast staysail, all square sail except mainsail, on course N 86° W (p.s.c.) Log 58 at end of watch. Ship steering good and making good weather.

Ralph Earle, Ensign U.S.N.

Meridian to 4 P.M. Fair and pleasant, warm. Moderate breeze from E.S.E. to East. Barometer falling. On course N 86° W till 12:15 when changed course to N 88° W. Steering p.p. Under foretopmast staysail and all square sail except mainsail. Ship rolling easily 6 per minute, 8° starboard to port. Steam on boiler B distilling. At 2:00 hauled in patent log to clean it, and put it out at 2:20 P.M. and before sunset hauled in and put it out at 6 P.M.

J. H. Brown 2nd Lieut. U.S.M.

Fair and pleasant. Moderate & fairly breeze. Barometer steady. At 8:30 P.M. went to quarters for muster. Distilling with boiler B in use. Ship steady. On course N 88° W (p.s.c.). Under foretopmast staysail and all square sail but mainsail. At 12 Midnight.

J. H. Brown 2nd Lieut. U.S.M.

Fair and very pleasant weather with a crescent moon. Moderate breeze from East and E by S. Barometer steady. Seas nearly steady. Had evening prayers. Ship under all plain sail except flying jib, jib, mainsail and spanker, on course N 88° W by standard compass. At 4:30 sighted Cape Henry, bearing N.W. by W. At 6 P.M. & Midnight.

George N. Hayward 2nd Lieut. U.S.M.

Clear to fair and pleasant. Moderate E by S'ly breeze. Barometer rose slightly. Moonlight to 2:35 when moon set. Ship nearly steady. Under sail as previously noted, on course N 88° W (p.s.c.) log 489 at end of watch.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex **3rd. Rate,**

Making Passage from New London, Conn. to Ponta Delgada

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	6	0	539	N 88° W.	E by S.	4			30.28	78	74	72	76	hzy	Cu M	East	9	S
2	7	9	628	"	"	3			30.26	78	74	72	76	hc	"	"	5	"
3	4	3	661	"	East	4			30.26	78	74	72	76	"	"	"	4	"
4	4	9	660	"	"	4			30.26	78	74	72	76	"	Cu	"	3	"
5	5	1	71.1	"	"	4			30.25	78	74	72	76	"	Cu M	"	4	"
6	6	0	77.1	"	"	4			30.23	78	75	73	76	"	Fr Cu	"	5	"
7	6	4	83.5	"	"	4			30.23	78	75	73	76	"	"	"	5	L
8	6	1	89.6	"	"	4-5			30.25	78	75	73	76	"	"	"	3	"
9	5	8	95.4	"	"	4	3°		30.29	78	76	74	76	"	"	"	1	M
10	5	5	99.9	"	"	4	3°		30.30	78	78	75	76	"	"	"	1	"
11	5	0	4.8	"	"	4	3°		30.30	78	78	75	76	"	Fr Cu	"	4	"
Noon.	5	3	10.1	"	"	4	3°		30.30	78	79	75	76	"	"	"	4	"

Position at 8 A. M.: Latitude by DR — 18° 26' 22" N. — Mag. Temp.
Longitude by obs. — 48° 23' 30" W. — Temp. 68

Position at noon: Latitude by observation — 18° 23' 52" N. — 78-77 — 78-76
Longitude by observation — 48° 29' 42" W.
Latitude by D. R. — 18° 21' 52" N.
Longitude by D. R. — 48° 57' 32" W.

Course made good since preceding noon: S 19° W.

Distance made good since preceding noon: 107 miles.

Distance by Log since preceding noon: 104.1 miles.

Current per hour: .5 miles, set W 56° W true.

Position at 8 P. M.: Latitude by DR — 18° 15' 28" N.
Longitude by obs. — 49° 39' 24" W.

Variation of compass: 9° 46' W

Error of compass observed at 4.33 P.M. — 14° 17' "

Deviation of compass on N 88° W — 4° 37' "

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1700 lbs.

Coal remaining on hand at noon, 135 " 1021 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																
1	4	8	144.9	N 88° W.	East	4	30.29	78	79	74	76	hzy.	Cu S	W S	5	L
2	5	0	149.9	"	"	4	30.27	77	78	74	76	"	"	"	4	"
3	5	2	155.2	"	E by N.	4-5	30.25	77	78	74	76	fc	"	"	6	"
4	5	8	161.0	"	"	5	30.23	78	79	75	77	hzy	Cu Ns	"	7	"
5	5	2	166.2	"	"	5	30.25	77	76	74	77	"	"	"	8	"
6	5	5	171.7	"	"	5	30.26	77	76	74	77	"	"	"	7	"
7	6	2	177.9	"	E N E.	6	30.29	78	76	73	77	"	"	"	7	"
8	6	1	184.0	"	"	5	30.31	78	76	73	76	"	"	"	11	"
9	6	1	190.1	"	"	5	30.32	78	75	72	76	hze.	Cu	"	3	M
10	6	6	196.7	"	"	5-6	30.32	78	75	72	76	"	Cu	"	2	"
11	6	6	203.3	"	"	5-6	30.33	78	75	72	76	"	"	"	3	"
Mid.	6	4	209.6	"	"	5-6	30.33	78	75	72	76	"	Cu S	"	2	"

4-26

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday Feb. 23, 190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Fair and pleasant except a passing shower first hour. Gentle and moderate breeze from E.S.E. to East. Smooth sea. Barometer falling slowly, first part of watch, steady latter part. On course N 88° W. Under reefed main & stay sail and all square sail. Kept manual. Patent log at end of watch 66.0

8 to 8 P.M. J. H. Brown Lieut U.S.N.

Fair and pleasant. Moderate to stiff Ely breeze at end of watch. Ship steady. Barometer steady. Mustered and unrated apprentices over matched at 4:30. Aired bedding. Loosed sweeps, piped and took off steaming cover. On course N 88° W. under fore reefed mainsail staysail and all square sail to main sail.

8 P.M. to Midnight. J. H. Brown Lieut U. S. N.

Fair and pleasant weather. Moderate breeze from East. Barometer steady. Ship rolling easily to a very moderate following sea. Ship listed to starboard. Finished cleaning ship and at 11 inspected ship by all quarters. Ship under all plain sail but flying jib, jib main sail and spanker on course N 88° W. by standard compass. At 9.0 to clear hawse patent log for 2 minutes. Set deck clock back 2 minutes

Midnight to 4 A.M. George N. Holyoke Lieut U. S. N.

Midnight to 4 A.M. Fair and pleasant. Moderate to stiff breeze from E to E by N. At 3 and 4 passing showers. Ship on course N 88° W. before wind. Under fore reefed mainsail staysail and square sail to regain lost ground. Kept manual patent log for 2 minutes at end of watch. Variation 16° to starboard 15° port.

4 to 8 A.M. E. Beach Lieut U. S. N.

4 to 8 P.M. Cloudy with passing rain showers. Stiff Ely N by E breeze. Barometer rising. Ship rolling about 6° each side, 6 per min. & following sea. At 4:30 mustered at quarters. Under sail as in previous watch. On course N 88° W. Kept patent log 44 at end of watch

Ralph Earle, Ensign U. S. N.

8 to 8 P.M. Fair and pleasant except an occasional light passing shower. Stiff breeze from E.N.E. Barometer rising. On course N 88° W. Under fore reefed mainsail staysail and all square sail except weather clew of mainsail. Ship pitching very little & rolling well from E & L Patent log at end of watch 210

8 to Midnight J. H. Brown Lieut U.S.N.

8 to Midnight. Fair and pleasant. Bright moonlight until 10:30 when moon set. Stiff breeze from E.N.E. Barometer steady. Ship rolling 6 times per min. Mayflower fast at 6 to starboard 3°. On course N 88° W. [E.S.E.] under fore reefed mainsail staysail and all square sail but weather clew of mainsail

Midnight to 4 A.M. J. H. Brown Lieut U. S. N.

Examined and found to be correct.

E. F. Leutze Lt Navigator.

4—706

LOG of the UNITED STATES *Training Ship Dee* 3d **Rate,**

Making Passage from New London, Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.															Cu			
1	6	4	86.0	N 88° W.	E by N.	5	3°		30.30	77	75	72	76	h.c.	Cu.	Slight	4	M
2	6	4	92.7	"	"	5	3°		30.28	77	75	72	76	h.c.	"	"	4	"
3	6	5	98.9	"	"	5	3°		30.28	77	75	72	76	h.c.s.	"	"	8	"
4	6	1	8.0	"	NE by E.	5	3°8		30.27	77	75	72	76	"	"	"	6	"
5	6	0	11.6	"	"	5			30.24	77	75	72	76	h.c.	"	"	3	"
6	6	4	18.0	"	E NE.	5			30.23	77	75	72	76	"	"	"	5	"
7	6	6	24.6	"	E by N.	5			30.26	77	76	73	76	"	"	"	5	"
8	6	4	31.0	"	"	5			30.31	77	76	72	76	"	"	"	8	"
9	6	3	37.3	"	"	5			30.32	77	76	73	76	"	"	"	8	"
10	6	3	43.6	"	"	5			30.33	77	77	74	76	"	"	"	6	"
11	6	1	50.2	"	"	5			30.32	78	79	74	76	"	"	"	5	"
Noon.	5	1	55.3	"	"	5			30.32	78	79	74	76	"	"	"	5	"

Position at 8 A. M.: Latitude by DR — 18° 02' 10" N. — Wing Tenerife Point Old
Longitude by obs — 51° 02' 15" W.

Position at noon: Latitude by observation — 17° 51' 32" N. — 78-76
Longitude by observation — 51° 29' 28" W.
Latitude by D. R. — 17° 37' 28" N.
Longitude by D. R. — 51° 30' 0" W.

Course made good since preceding noon: S 80° W.

Distance made good since preceding noon: 147 miles.

Distance by Log since preceding noon: 142.6 miles.

Current per hour: 0 miles, set 0 true.

Position at 8 P. M.: Latitude by DR — 17° 47' 30" N.
Longitude by obs — 52° 8' 45" W.

Variation of compass: 6° 45' Wly

Error of compass observed at 4.33 P. M. — 12° 18' Wly

Deviation of compass on West — 5° 20' Wly.

Water expended during the preceding 24 hours, 500 gallons.

Water ~~~~ during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 135 " 621 "

P. M. 12 M.	1	4	59.7	N 80° West														
1	4	8	66.5	West	Ehy N	5			30.30	77	80	76	76	h.c.	Cu	&	6	M
2	6	6	74.1	"	"	5			30.28	78	80	76	77	"	"	"	7	"
3	6	5	80.6	"	"	5			30.26	78	78	74	77	"	"	"	7	"
4	6	3	86.9	"	"	5			30.24	78	78	74	77	"	"	"	7	"
5	6	1	93.0	"	"	5			30.26	77	77	74	76	h.c.m.	Cu	Sc.	6	"
6	5	5	98.5	"	"	5			30.26	77	77	74	76	"	"	"	6	"
7	5	9	1.4	"	"	5	3°8		30.28	77	76	74	76	"	Cu	Sc	8	"
8	5	9	7.3	"	"	5	3°		30.29	77	76	73	76	"	"	"	9	"
9	6	0	13.3	"	"	5			30.29	77	76	73	76	"	"	"	8	"
10	6	0	19.3	"	"	5			30.30	77	76	73	76	"	"	"	9	"
11	6	1	25.4	"	"	5			30.30	77	76	73	76	"	Cu	&	9	"
Mid.	5	9	31.3	"	"	5			30.30	77	76	73	76	h.c.p.	Cu M	"	9	"

under the command of Commander R. D. Davenport, U. S. Navy,

Sunday, Feb 24, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.- Cloudy and pleasant weather until after 2:30 when had light rains. Stiff breeze from E by N until about 3:35 wind backed to NE by W. Barometer falling. Ship rolling at times deeply to a very moderate following sea, about 6 rolls to the minute. Greatest roll 8° to starboard 20°, to port 19°. At 3:30 rolling increased and at 3:50 hoisted the jib and set the weather clew of the mainsail. End of watch ship under all plain sail but the flying jib and the spanker. Course N 88° W. Distance run by log 55.2 miles. Ship steered and compass adjusted by compass.

George N. Hayward Lieut. U.S.N.

Cloudy and pleasant. Stiff breeze from NE by E to E by N. Time saw last hour. Ship under fore topmast staysail, and square sail & royal. Hauled down jib and hauled up weather clew of mainsail. On course N 88° W. rolling and pitching easily & moderate following sea. Max roll 22° each side. Ship apprentices over small boat.

E. L. Beach Lieut U.S.N.

4 P.M. to Midnight.- Fair and pleasant. Stiff E by N breeze. Barometer rose a little. Ship rolling 6 per min to following sea 20° starboard and 13° port. At 7:30 mustered and inspected at quarters. The captain inspected ship and crew. The Chaplain held divine service. Under fore topmast staysail and all square sail save weather clew of mainsail. On course N 88° W. Distance 55.2 at end of watch.

Ralph Earle, Ensign U.S.N.

Midnight to 4 A.M.- Fair and pleasant. Stiff breeze from E by N. Moderate sea. Barometer falling slowly. Under fore topmast staysail and all square sail except weather clew of mainsail. Course N 88° W. until 12:15 when changed course West, patent log 39.7. Patent log at end of watch 83.9. Ship rolling 5½ per minute. Extreme roll 30° starboard 25° port.

J. H. Rogers, Lieut U.S.N.

4 to 8 A.M.- Fair and pleasant. Stiff breeze from E by N. Barometer steady. Ship rolling 6 times a minute to following swell. Max roll to starboard 21° to port 22°. At 4:30 read to quarters for muster. On course W. by S. ½ S. under fore topmast staysail and all square sail but weather clew of mainsail.

W. W. Wotherspoon Lieut U.S.N.

6 to 8 P.M.- Fair and very pleasant weather. Stiff breeze from E by N. Alto-Cumulus clouds coming from E by S. Barometer falling. Ship rolling more easily to a moderate following sea. Greatest roll 6° to starboard, 7° to port. Ship under all plain sail but the flying jib the jib the spanker and the weather clew of the mainsail. On course West by compass.

George N. Hayward Lieut U.S.N.

8 P.M. to Midnight.-

Cloudy, raining last 15 minutes of watch. Stiff breeze from E by N. Ship before the wind, under all plain sail except flying jib, spanker, and weather clew of mainsail. Ship on course West. Rolling and pitching easily. Max roll, 12° each side.

E. L. Beach Lieut U.S.N.

Examined and found to be correct.

S. F. Leiper Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3d **Rate,**

Making Passage from New London, Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	6	5	37.8	West	Ehy N.	5			30.28	78	78	74	76	hcp	Cu N	East	7	M
2	6	9	44.7	"	ENE.	5			30.27	78	78	73	76	hc	Cu Cu	"	6	"
3	6	1	50.8	"	"	5			30.26	78	78	73	76	"	"	"	4	"
4	6	3	57.1	"	Ehy N.	5			30.26	78	77	74	77	"	Cu	"	2	"
5	5	9	63.0	"	"	5			30.26	78	76	73	76	"	"	"	5	"
6	6	5	69.5	"	"	5			30.25	76	76	73	77	"	"	"	9	"
7	6	0	75.5	"	"	5			30.25	78	76	72	77	"	"	"	5	"
8	5	3	80.8	"	"	4			30.27	78	77	74	77	"	Cu Cu	"	5	"
9	5	3	86.1	"	East	4.5			30.31	77	77	75	77	hcp	Cu N	"	6	"
10	5	2	91.3	"	"	4.5			30.32	77	77	73	77	"	"	"	7	"
11	5	5	96.8	"	"	4.5			30.33	78	78	73	77	hc	Cu	"	5	"
Noon.	5	7	7.5	"	"	4.5			30.32	78	79	75	77	"	"	"	5	"

Position at 8 A. M.	Latitude by DR	17° 32' 2" N	Mercury Temp.
	Longitude by Obs	53° 37' 25" W	Fahrt. Att.
Position at noon:	Latitude by observation	17° 26' 25" N	77-76 77-75
	Longitude by observation	54° 0' 25" W	
	Latitude by D. R.	17° 2' 50" N	
	Longitude by D. R.	53° 58' 25" W.	
Course made good since preceding noon:		S 77° W.	
Distance made good since preceding noon:		144 miles.	
Distance by Log since preceding noon:		144.3 miles.	
Current per hour:	16 miles, set S 61° W true.		
Position at 8 P. M.	Latitude by DR	17° 18' 0" N	
	Longitude by	52° 42 03" W.	
Variation of compass:			
Error of compass observed at			
Deviation of compass on			
Water expended during the preceding 24 hours,		500 gallons.	
Water ——— during the preceding 24 hours,		"	
Water remaining on hand fit for use at noon,		1700 "	
Coal consumed during the preceding 24 hours,		tons, 500 lbs.	
Coal remaining on hand at noon,		135 " 121 "	

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	4	1	6.6	West	Ehy N.	4			30.28	78	81	78	79	hc	Cu Cu Cu Cu	East	6	M
2	4	4	11.0	"	"	4			30.26	78	84	80	77	"	"	"	6	"
3	4	8	15.8	"	"	4			30.24	78	81	73	77	"	"	"	8	"
4	5	5	21.3	"	East	5			30.24	78	79	72	77	h.c.p.	"	"	8	"
5	4	2	25.5	"	"	4			30.24	78	76	72	77	"	"	"	7	"
6	4	7	30.2	"	"	4			30.25	78	76	72	77	"	"	"	7	"
7	5	1	35.3	"	"	5			30.28	78	76	72	77	hc	Cu	"	4	"
8	5	0	40.3	"	"	5			30.28	79	77	74	77	"	"	"	4	"
9	4	8	45.1	"	"	5			30.31	79	77	75	77	"	"	"	4	"
10	5	5	50.6	"	Ehy S	5			30.33	79	77	74	78	hcp	Cu N	"	7	"
11	5	8	56.4	"	"	5			30.33	78	77	74	78	hc	"	"	7	"
Mid.	5	6	62.0	"	"	5			30.32	78	77	74	78	"	"	"	8	"

4-26

under the command of Commander R. J. Dashiell, U. S. Navy,

Tuesday Feb 25 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM:- Fair with passing rain showers first half hours. Stiff Ely N'ly to E.N.E. brisk. Barometer falling. Ship rolling 6 per min with angle of 30° starboard to 10 port. Under foretopmast staysail and all square sail to royals. Course of mainsail. On course West p.s.c. log 8.4 at end of watch. Ralph Earle, Ensign U.S.N.

8 to 8 AM:- Fair and pleasant. Stiff to moderate brisk from Ely N. Barometer steady. Moderate sea, course West. Under foretopmast staysail and all square sail to keep weather clew of mainsail. Ship rolling easily 6 per minute, 15° starboard, 10° port. Patent log at end of watch 30.8 J.H.B. Brown, Lieut U.S.N.

8 AM to Meridian:- Fair and pleasant. Moderate to stiff Easterly breeze. Barometer steady. Ship rolling to following sea about 15° each side. At 9.30 went to quarters. During 1st and 2nd drill periods had routine drills. The captain imposed the following punishments. G.C. Carlton, A.3cl, 6 hrs extra duty for continually neglecting to clean gun bright work. H.H. Reigle, A.3cl, 5 hrs extra duty for leaving post house block grating overboard. S.M. Clark, A.3cl, 12 hrs extra duty, smoking while on orderly watch. R.R. Beckt, C.A. Jones and M. Steiger, A.3cl each 8 hrs extra duty for leaving clothing. M.E. Shadduck, A.3cl, 12 hrs extra duty for lynning on during his watch on deck. J.R.C. McGrath, A.3cl, stowing away in hammock nettings during watch on deck. 8 hrs extra duty. On course West p.s.c. under foretopmast staysail and all square sail but weather gear of mainsail. Wind as to 8 AM:- W.H. Brown Lieut U.S.N.

Fair to cloudy and pleasant weather with several passing showers. Moderate breeze from East, increasing to stiff breeze at end and hauling to East on the approach of a squall from astern. Barometer falling. Ship rolling moderately to a following sea. Had drills by routine for third period at 1.30. At 2.15 drilled fore royal yard boys at reefing and loosing on mizzen yard. Carried away dick westward aft. The captain renewed for six months the appointment of L.L. Ellis as acting blacksmith from 23 Feb 1901. The surveying officer having condemned 30 pounds of canned corned beef and 12 pounds tinned vegetables, they were thrown overboard by order of the Captain. Ship under all plain sail but flying jib, jib, spanker, [illegible] clew of mainsail to cover. Set by standard compass. Geo. N. Hayden Lieut U.S.N.

8 to 12 PM:- Generally cloudy. Passing showers first hour. Moderate breeze from East. Ship before wind. Under foretopmast staysail and square sail to royals, except weather clew of mainsail. On course p.s.c. West. At 9.30 went to quarters. Fire sighted fore to rail. E.V. Beach Lieut U.S.N.

12 to 4 AM:- Fair and pleasant. Stiff Easterly breeze. Barometer rising. Ship rolling 6 per min 8° each side. Bright moonlight. Under sail as in previous watch, on course West p.s.c. Log 30.3 at end of watch. Ralph Earle, Ensign U.S.N.

4 AM to Midnight:- Fair and pleasant, except a light passing shower several hours. Stiff breeze from East to E. by S. Moderate sea. Barometer nearly steady. Course West under foretopmast staysail and all square sail except weather clew of mainsail. Ship rolling easily 18° starboard, 15° port. Patent log at end of watch 30.0 J.H.B. Brown, Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper, Lieut U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making Passage from New London Conn. to Pinta Pelee

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, 1 to 10.	State of the Sea.
A. M.																		
1	5	5	67.5	West	Ely S.	5			30.29	79	78	74	78	b.q.p.	Cu. M. Cast		8	M
2	5	6	73.1	"	Ely N.	5			30.27	79	77	74	78	h.c.	"	"	7	"
3	5	8	78.9	"	"	5			30.25	79	77	74	78	"	"	"	3	"
4	6	2	84.1	"	"	5			30.25	79	77	74	78	"	"	"	3	"
5	6	2	91.3	"	"	5	3°		30.25	79	77	74	78	"	Cum 3 Cu. E.S.E.		4	"
6	6	1	97.4	"	East	5	3°		30.25	79	77	74	78	"	"	"	6	"
7	6	1	103.5	"	"	5	3°		30.25	79	77	74	78	"	"	"	4	"
8	5	8	109.3	"	"	5	3°		30.30	79	78	74	78	"	"	"	4	"
9	6	3	115.6	"	"	5			30.32	78	80	74	78	"	"	"	3	"
10	6	2	121.8	"	"	5			30.32	78	80	77	78	"	"	"	4	"
11	6	1	128.3	"	E.S.E.	6			30.32	78	79	76	78	"	"	"	6	"
Noon.	6	0	135.5	"	"	5			30.32	79	79	76	78	"	"	"	5	"

Position at 8 A. M.: Latitude by DR 42° 6' 0" N. Mary Island
Longitude by obs 58° 24' 05" W. Point Ofy

Position at noon: Latitude by observation 17° 6' 30" N. 77-76 77-75
Longitude by observation 56° 11' 30" W.
Latitude by D. R. 17° 1' 22" N.
Longitude by D. R. 56° 17' 27" W.

Course made good since preceding noon: S 89° W.

Distance made good since preceding noon: 126 miles.

Distance by Log since preceding noon: 133.0 miles.

Current per hour: 1.32 miles, set N 51° E true.

Position at 8 P. M.: Latitude by DR 41° 59' 14" N.
Longitude by obs 56° 43' 39" W.

Variation of compass: 4° 30' Wly

Error of compass observed at 1:30 P.M. 10° 12' "

Deviation of compass on West. 5° 42' "

Water expended during the preceding 24 hours, 500 gallons.

Water ~~~~~ during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 12 00 "

Coal consumed during the preceding 24 hours, tons, 1520 lbs.

Coal remaining on hand at noon, 134 " 941 "

P. M.																		
1	5	7	41.2	S 88° W.	Ely S	5			30.28	80	80	77	78	h.c.	Cu. Cu. East		11	M
2	5	9	47.1	"	"	5			30.28	80	81	77	78	"	"	"	4	"
3	4	7	52.8	"	E.S.E.	4			30.27	80	80	77	78	h.c.	Cu.	"	5	"
4	5	9	57.7	"	"	5			30.26	79	78	76	78	"	"	"	7	"
5	5	9	63.2	"	"	4			30.26	80	80	76	78	h.c.	Cu. S.	"	7	"
6	4	5	68.7	"	"	4			30.28	80	78	76	78	"	"	"	7	"
7	5	2	74.9	"	"	4			30.29	81	78	76	78	"	"	"	7	"
8	5	8	76.7	"	SE by E	3			30.29	81	77	75	78	"	"	"	9	"
9	3	1	81.8	"	"	4			30.30	82	78	75	78	"	Cu. S. Cum	Cu.	7	"
10	5	3	87.1	"	E.S.E.	4			30.32	82	78	76	78	"	"	Cu.	6	"
11	4	9	92.0	"	Ely S	4			30.32	82	77	75	78	"	Cu.	Cu.	5	"
Mid.	4	6	96.6	"	"	4			30.30	81	79	75	78	"	"	"	4	"

4—205

under the command of Commander R. D. Davenport, U. S. Navy,

Tuesday Feb 26, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 AM.- Generally fair and pleasant. Light rain showers first hours. Ship steady. Barometer falling. Stiff breeze from Ely & backing to Ely N. On course N [p.s.c.] under foretopmast staysail and all square sail but royals. Employed as required to 8 AM.

Geo. A. Haywood Lieut. U.S.N.

Fair and very pleasant weather. Stiff breeze from Ely N. hauling to east. Barometer rising. Ship rolling easily but deeply at times to a very moderate following sea. Patent logs, 6 to 8 knots, 15 to 20 ft. 12 to 300. Hauled up log clerk of the mainsail. Ship under all plain sail except flying jib, mainsail and spanker on course by standard compass.

Geo. A. Haywood Lieut. U.S.N.

8 AM to Meridian.-

Warm and pleasant. Stiff breeze from E.S.E. Ship hove to, under foretopmast staysail and square sail to royals, ship's head N.E. by E. (p.s.c.) heat. Watch quarters at 9.30. Had routine drills for first period and for second period company artillery, battalion and dress parade drills. Punishments were awarded as follows by Comdg Officer: D. Tinker, M.A.A. dilatoriness in obedience of orders 3rd class. M. Vanderhurst, Off. Sel. losing government property, loss extra duty. Patterson, Le Sargent of orders, going barefooted, loss extra duty. Painting inside of ship. At noon changed course to S 88° W. (p.s.c.). Ship rolling easily. Wind & roll 25° each side. 2 thirty of sausage condemned as rotten and sunk at 12 noon and 1 roast beef condemned as rotten and sunk at 12 noon.

E. L. Beach Lieut. U.S.N.

Meridian to 4 PM.- Fair and warm with light passing showers last hour. Moderate to stiff Ely S. to E.S.E. breeze. Barometer fell slightly. Ship rolling 15° each side 6 per min. to following sea. Held Lecture 3rd period drills. At the fore topgallant yard men were exercised at loosing and furling muslin topsail from 2.15 to 3.00. Under foretopmast staysail and all square sail save mainsail on course S 88° W. (p.s.c.) Log 5.7 at end of watch.

Ralph Earle, Ensign U.S.N.

4 to 6 PM.- Fair and pleasant. Moderate breeze from E.S.E. Moderate easterly swell. Barometer rising slowly. Course S 88° W. Under foretopmast staysail and all square sail except mainsail. Ship rolling easily 6 per min. 10° each side. Patent log at end of watch 6.5. Patent log hauled in 18 minutes 1st hour to clean it. At 4.30 mustered all quarters and gave divisions attorney up to muster.

F. H. Brown, Lieut. U.S.N.

6 to 8 PM.- Fair and pleasant. Moderate to stiff breeze from E.S.E. to S.E. by E. Barometer steady. Ship steady. On course S 88° W. (p.s.c.) Under foretopmast staysail and all square sail but mainsail until 7 P.M. when set the close reefed mainsail.

P. S. Bomm Lieut. U.S.N.

8 PM to Midnight.-

Fair and pleasant weather. Bright moonlight. Moderate breezes from E by S backing to Ely S. Smooth to Slight sea and alto cumulus clouds first two hours with the cumulus clouds increasing with the wind all the watch. Barometer steady. Ship rolling easily to a very moderate following sea. Patent logs, 6 to 8 knots, 15 to 20 ft. At 8.30 hauled up log clerk of mainsail. Ship under all plain sail except flying jib, mainsail and spanker on course by standard compass.

Geo. A. Haywood Lieut. U.S.N.

Examined and found to be correct.

F. F. Lenfest. Lieut. U.S.N. Navigator.

4—204

LOG of the UNITED STATES Steamer Ship Essex 3rd **Rate,**

Making Passage from New London Conn, Port a Praia

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	4	9	101.3	S88° W.	Eby S	4			30.29	80	78	75	78	h. c.	Fr Cu	ESE	4	M
2	4	9	106.4	"	"	4			30.29	80	77	75	78	"	"	"	5	"
3	4	7	111.1	"	"	4			30.28	79	77	75	78	h.c.k.	Cu N	"	6	"
4	4	7	115.8	"	"	4			30.28	79	77	75	78	h.c.	Fr Cu	"	5	"
5	4	9	120.7	"	"	4			30.28	79	77	75	78	"	"	"	4	"
6	5	0	125.7	"	"	4			30.28	79	77	75	78	"	"	"	4	"
7	5	4	131.1	"	"	4			30.28	79	77	75	78	h.c.k.	N	"	7	"
8	5	0	136.1	"	"	4			30.28	79	77	75	78	"	"	"	7	"
9	4	9	141.0	"	"	4			30.33	79	79	77	78	h.c.	Fr Cu	"	5	"
10	5	5	146.5	"	"	4			30.32	79	79	77	78	h.c.k.	"	"	9	"
11	3	7	150.2	"	"	4			30.31	79	78	76	78	"	Cu N	"	9	"
Noon.	5	2	155.4	"	"	4			30.32	80	79	77	78	h.c.	Fr Cu	"	4	"

Position at 8 A. M. { Latitude by RR: 16° 45' 66" N — May Tempest
Longitude by obs: 58° 1' 30" W — Took Off

Position at noon: { Latitude by observation: 16° 45' 27" N — 78-77
Longitude by observation: 58° 30' 31" W — 77-76
Latitude by D. R.: 16° 42' 40" N
Longitude by D. R.: 58° 45' 45" W

Course made good since preceding noon: S80° W.

Distance made good since preceding noon: 125.4 miles.

Distance by Log since preceding noon: 122.7 miles.

Current per hour: 121 miles, set W 59° W true.

Position at 8 P. M. { Latitude by RR: 16° 38' 9" N
Longitude by obs: 58° 38' 0" W

Variation of compass: 2° 40' Wly

Error of compass observed at: 7° 10' "

Deviation of compass on: 4° 30' "

Water expended during the preceding 24 hours, 1000 gallons.

Water ~~~~~ during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 700 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 134 " 341 "

P. M.																		
1130	1	0	156.8	S88° W.														
1	3	1	160.0	S81° W.	Eby S	4			30.30	78	79	77	78	h.c.	Fr Cu	E	4	M
2	4	6	166.6	"	"	4			30.33	78	82	77	78	"	"	"	1	"
3	4	4	171.0	"	ESE	4			30.33	79	82	77	78	"	"	SE.	2	"
4	4	3	175.3	"	"	4			30.33	80	80	76	78	"	"	"	4	"
5	3	8	179.1	"	Eby S.	4			30.35	79	78	76	78	"	"	Eby S	4	"
6	3	6	180.7	"	"	4			30.35	79	78	76	78	"	"	"	5	"
7	3	6	184.3	"	"	4			30.33	80	78	75	78	"	Cu S	ESE	6	"
8	3	5	187.8	"	"	4			30.30	82	77	75	78	"	"	"	5	"
9	4	1	191.7	"	ESE	4			30.30	81	77	75	78	"	Cu	"	4	"
10	3	9	195.8	"	"	4			30.30	80	77	75	78	"	"	"	3	"
11	3	4	199.2	"	"	4			30.30	80	77	75	78	"	"	"	3	"
Mid.	3	4	2.6	"	"	4			30.30	80	77	75	78	"	"	"	6	"

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday Oct 27, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM:- Fair and pleasant. Moderate breze from E by S. Moon set at 1:05. Passing showers at 2:45 Ship before wind, under foretopmast staysail and square sail to royals except mainsail, on course (by C.) S 88° W. E. Beach Lieut U.S.N.

4 to 8 AM:- Fair and warm with light rain squalls hour. Moderate E by S by breeze Barometer steady. Ship rolling 6 per min 20° each side to following sea. At 5:00 mustered and sent apprentices over head. Under sail as in forenoon watch, Course S 88° W. (p.c.) log 36.1 at end of watch. Ralph Earle. Ensign U.S.N.

8 AM to Meridian:- Cloudy weather with passing showers. Moderate breeze from E by S. Moderate E by swell. Barometer nearly steady. Course S 88° W. Under foretopmast staysail and all square sail except mainsail. Ordered mainsail to be set at below. At 10:00 took in and furled topgallant sails and royals. At 12:00 hauled up forsail. At 12:30 mustered and inspected at quarters. Exercised at divisional sea drills 1st and 2nd cutters. Secured smoke pipe and started fires in boiler B for distilling at 2:30. Loaded 30 salvoting charges. The Commanding Officer awarded the following punishments to J. D. Crossett Apr. for neglect of duty, 3 hrs extra duty. Condemned Sea. Below during his watch on deck, with conduct class. Ship rolling easily 6 per min 20° each side. Meridian to 4 PM:- H. H. Benson Lieut U.S.N.

Fair and pleasant. Moderate breze from E by S to E by E. Barometer steady. At 1:30 went to routine drills. Exercised gunners, royal yard airmen at reefing and furling on monkey yard. The 4th division of the watch had target practice from 3 to 3:35. Ship rolling to following sea, swell's tops [illegible] 4 per minute 20° each side. [illegible] Lieut U.S.N.

4 to 6 PM:- Fair and pleasant weather. Moderate breze from E by S. Barometer steady. Ship rolling easily to a moderate following sea. Secured rifle; to starboard 20°; 6 per. 4 At 4:30 mustered at quarters. Then called away Bonds and took in single reefs the topsails. At end of watch ship under foretopmast staysail and double reefed topsails on course S 88° W. by [illegible] compass. George A. Kelly Ensign U.S.N.

6 to 8 PM:- Fair and pleasant. Moderate breze from E by S. Ship before wind on course p.s.c. S 88° W. Under foretopmast staysail and double reefed topsails, square sail between 6 and 6:30. Rolling easily to following moderate sea, [illegible] distilling from boiler B. E. Beach Lieut U.S.N.

8 PM to Midnight:- Fair and pleasant. Moderate E & E by E breze. Barometer steady. Bright moonlight. Ship rolling 6 per minute, 20° to starboard and 18° port. Distilling from B boiler in use. At 9:00 hauled up forsail and at 9:30 loosed main topsail on cap and hauled out reef tackles. At end of watch, under foretopmast staysail, double reefed topsails, and scandalized maintopsail on course S 90° W. log 62. Ralph Earle. Ensign U.S.N.

Examined and found to be correct.

F. F. Leiper Lieut U.S.N. Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making Passage from New London, Conn. to Point a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1	3	5	6.1	S 80° W	E by S	4			30.29	81	76	74	78	bc.	Cu S	Sbs	4	M
2	3	7	9.8	"	"	4			30.29	82	76	74	78	"	"	"	5	"
3	3	7	13.5	"	"	4			30.27	82	76	74	78	"	"	"	8	"
4	3	3	16.8	"	"	4			30.26	81	75	74	78	"	Cu W	"	7	"
5	3	9	20.7	"	"	4			30.24	80	76	74	78	b.o.p.	"	"	4	"
6	4	1	24.8	"	"	4			30.23	80	76	74	78	bc	"	"	6	"
7	3	9	28.7	"	"	4			30.23	80	78	74	78	"	"	"	4	"
8	3	7	32.4	"	"	4			30.26	80	78	76	78	"	"	"	5	"
9	4	0	36.4	"	"	4			30.29	81	78	76	78	"	Cu Cu	"	7	"
10	3	4	39.8	"	E by E.	4			30.29	81	78	76	78	b.o.p.	"	"	6	"
11	2	8	42.6	"	"	4			30.32	82	80	76	79	b. c	Cu Cu	"	5	"
Noon.	3	0	45.6	"	"	4			30.31	82	83	77	79	"	"	"	5	"

Position at 8 A. M. { Latitude by DR. 16° 28' 9" N Nagg Tongue
Longitude by obs. 59° 46' 15" W Fort Aft.

Position at noon: { Latitude by observation 16° 28' 10" N 80-79 78-77
Longitude by observation 59° 39' 39" W
Latitude by D. R. 16° 28' 18" N
Longitude by D. R. 59° 52' 18" W

Course made good since preceding noon: S 80° W

Distance made good since preceding noon: 96.5 miles.

Distance by Log since preceding noon: 90.1 miles.

Current per hour: .32 miles, set W 61° W true.

Position at 8 P. M. { Latitude by obs. 16° 24' 34" N
Longitude by obs. 60° 21' 37" W

Variation of compass: 1° 46' Wly

Error of compass observed at 6° 22' "

Deviation of compass on 4° 38' "

Water expended during the preceding 24 hours, 800 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 1 tons, 1940 lbs.

Coal remaining on hand at noon, 132 " 64 "

P. M. 1845																		
1	2	8	48.4	S 84° W														
2	2	9	51.1	S 76° W.	E.S.E.	4			30.25	80	81	76	79	bc.	Fr Cu	Sbs	6	M
3	2	2	53.3	"	"	4			30.25	81	83	78	79	"	"	"	8	"
4	2	5	56.7	"	"	4			30.23	81	81	78	79	"	"	"	6	"
5	2	4	59.1	"	E by S	4			30.23	81	81	77	79	"	"	"	5	"
6	2	5	59.6	"	"	4			30.23	81	80	77	79	"	Cu	"	4	"
7	2	6	62.2	"	"	4			30.23	81	80	75	79	"	"	"	5	"
8	2	8	65.0	"	"	4			30.27	81	80	75	79	"	"	"	4	"
9	2	9	67.7	"	"	4			30.29	81	79	75	78	"	"	"	4	"
10	2	8	70.4	"	"	4			30.30	81	78	75	79	"	Fr Cu	"	6	"
11	2	9	73.6	"	"	4			30.30	81	77	75	79	b.o.p.	Cu W	"	8	"
Mid.	3	3	76.9	"	"	4			30.30	81	78	75	79	bc	Fr Cu	"	6	"
									30.30	80	78	75	79	"	"	"	8	"

4-26

under the command of Commander R. B. Davenport, U. S. Navy,

Thursday Feb 28 ,1907 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.- Fair and pleasant, Moderate breze from Eby S. Moderate Obj swell, Barometer falling slowly. Course S 8°0 W. Under foretopmast staysail, double reefed topsails and scandalized mainstaysail. At 2:00 set the foretopmast stays'l on cap and hauled out reef tackles. Steam in boiler B, distilling. Ships rolling easily 6 per minute 10° starboard 10° port. The moon set at 2:35 A. M.

F. H. Brown, Lieut. U. S. N.

4 to 8 P.M.- Fair and pleasant except first hour. Light rain showers during first hour. Moderate breze from Eby S. Barometer fell slightly. At 4:30 mustered and sent apprentices over masthead. Ship steady. Sea moderate. On course S 8°0 W by standard compass under foretopmast staysail and scandalized topsails. Boiler B in use for distilling.

W. B. Mc Lean Lieut U. S. N.

8 P.M to Meridian.- Fair and pleasant. Hour washing with a passing shower and a very slight drizzle during second hour. Barometer steady. Ships rolling easily and steady to a moderate and nearly smooth sea. Greatest roll, to starboard, 15° & port, 15°. At 9:30 went to general quarters and at 10:45 had routine drills for second period. The following times were reported for first period, Boiler Division, 2d minute; 3d division, 2d; 2nd, 3d; 1st, 3d; 4th, 2d; Stowaways, 3d; and 2d, 3d; and all divisions secured in 4th minutes. The Captain placed M. Mahony, Chief Gunners Mate, on the 3d. class for insolence. At 9:50 coupled the screw. At end of watch ship under foretopmast staysail, scandalized double reefed topsails on course S 8°0 W by standard compass, hove coupled screw. Distilling with steam from B boiler. During first hour and a half fine weather and clear, remainder cloudy. Light to [illegible] and [illegible] Wind at 12 M. S. W.

George N. Hayward Lieut U. S. N.

Fair and pleasant. Moderate breze from E. by S. Ship under foretopmast staysail and scandalized topsails, on course S 8°0 W until 12:15 when changed course to S 4°0 W. Between 1:30 and 2:15 instructed apprentices in seamanship 2:15 to 3:00 apprentices at parboiling one monkey yard of mizzen. From 3:00 to 4:00 had target practice gallery rifle - with apparatus of foot watch, 3d division. Distilling with boiler B. Acting apprentices for following were rejected, W. Emerson, Wm A. Sel. A. Nelson, Coy. J. Cunningham, 2 M. 2 cl; All following were rated, entering from Feb 1 1907 J. W. Slater, Ldg. to S. C. 2 cl. J. P. Kane, Ldg to S. C. 2 cl. D. Collins, S. C. 2 cl. to Ldg S. C. 4 to 6 P.M.-

E. L. Brock Lieut U. S. N.

Fair and pleasant. Moderate Eby S. breze. Barometer steady. Ship rolling 6 per min 20° starboard and 22° port. Distilling boiler B in use. At 5:30 went to quarters for muster after which shook out the three reefs in topsails and close reefed them. At end of watch under foretopmast staysail and close reefed topsails, on course S 8°0 W. Log 256

Ralph Earle, Ensign U. S. N.

4 to 8 P.M.- Fair and variable. Moderate breze from Eby S. Moderate Eby swell. Barometer rising slowly. Course S 8°0 W. Under close reefed fore and main topsails and foretopmast staysail. Extend log at end of watch 256. Ship rolling easily 6 per minute 20° starboard, 15° port. Steam on boiler B distilling. 8 to Midnight.-

F. H. Brown Lieut U. S. N.

Generally, fair and pleasant. Bright moonlight. Light showers at 10 P.M. Barometer steady. Ships rolling about 20 each side indicate moderate following sea. On course S 8°0 W by standard under close reefed topsails and foretopmast staysail. Distilling with boiler B in use. Fires started in boiler A at 11:30 P.M.

W. B. Mc Lean Lieut U. S. N.

Approved:

Richard B. Davenport
Commander U. S. N. Commanding.

Examined and found to be correct.

E. F. Lupes
Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from New London, Conn, to Pensacola Fla

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Under.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1	3	3	10.2	S 76° W	East	4	2°S		30.30	81	78	75	79	b.c.	Cis Cum Str Cu	East	5	W
2	3	0	13.2	"	"	4	3°		30.26	82	78	75	79	"	"	"	7	"
3	3	3	16.5	"	"	4	3°		30.23	81	78	76	79	"	"	"	8	"
4	3	0	19.5	"	"	4	3°		30.20	81	77	75	79	b.c. f.g.	Cum Ni Cu	"	9	"
5	3	0	22.5	"	"	4			30.19	81	77	75	79	b.c.	"	"	5	"
6	3	0	25.5	"	"	4			30.19	81	77	75	79	"	"	"	8	"
7	3	0	28.5	"	"	4			30.19	81	77	75	79	"	"	"	5	"
8	3	0	31.5	"	"	4			30.20	81	78	75	79	"	"	"	5	"
9	3	0	34.5	"	"	4			30.21	80	80	75	79	"	"	"	7	"
10	3	0	37.5	"	"	4			30.26	80	80	77	79	"	"	"	9	"
11	3	0	40.5	"	"	4			30.28	80	81	78	79	"	Cu	"	8	"
Noon.	3	0	43.5	S 85° W	"	4			30.30	80	81	78	79	"	Cu	"	8	"

Position at 8 A. M.: Latitude by Bearings 16° 18' 0" N — Mag. Tenth
Longitude by Bearings 61° 1' 30" W. — Hond. Apx.

Position at noon: Latitude by observation Bearings 16° 10' 30" N — 81.50 — 74.75
Longitude by observation Bearings 61° 32' 30" W.
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: S 75° W
Distance made good since preceding noon: 58.1 miles.
Distance by Log since preceding noon: 80.1 miles.
Current per hour: 3/3 miles, set W.N.W. true. S 25° W
Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:
Error of compass observed at
Deviation of compass on
Water expended during the preceding 24 hours, 500 gallons.
Water during the preceding 24 hours, 1200 "
Water remaining on hand fit for use at noon, 700 "
Coal consumed during the preceding 24 hours, 3 tons, 760 lbs.
Coal remaining on hand at noon, 127 " 281 "

P. M.																		
1	5	6	384	S 88° W	East	4			30.31	81	82	75	79	b.cum.	Cu Ni Cu	East	5	8
2:35	at anchor			various	"	4			30.28	80	82	78	79	"	"	"	5	"
3				SE.	E.S.E.	4			30.26	81	82	78		"	"	"	5	"
4				"	SE by E	4-3			30.25	82	83	78		"	Cu Ni	SE	5	"
5				"	"	3			30.26	81	83	78		"	"	"	6	"
6				"	"	3			30.25	81	79	76		b.c.	Cu S	"	5	"
7				SE by E	East	2			30.28	79	78	76		"	"	"	4	"
8				"	"	1			30.26	79	78	76		"		"	7	"
9				SE.	E by S	2			30.27	79	77	76		b.cmk	Cu Ni	East	7	"
10				"	"	2			30.28	80	77	76		"	"	"	6	"
11				SE by E.	East	2			30.29	81	76	75		b cm	Cu Ni S	"	6	"
Mid.					"	2			30.29	79	76	75		b.cmp	Cu Ni	"	1	"

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Friday March 1 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences moderate and cloudy and pleasant weather, with several heavy showers passing the ship last hours. Moderate breeze from East with one stiff squall last hours. Barometer falling. Ship rolling easily and deeply to a very moderate swell from East. Greatest rolls, 6 to starboard, 20° to port, 22°. At 12.30 braced in the after yards by the port braces, and at 1.00 braced up the head yards by the starboard braces. At end of watch ship under fore topmast staysail, close reefed topsails, both the yards counter braced, and the screw coupled to check the H.P. Distilling with steam from 2 boiler. Steam forming on 2 boiler. Circumstances and altitudes of Sirius during first half of watch

George N. Hayward, Lieut U. S. N.

4 to 8 AM:- Fair and pleasant. Moderate breeze from East. Ship under foretopmast staysail and scandalized double reefed topsails, on course S. 88° W. per. At 4 made out Island of Desirade, on starboard bow. At 4.30 made out eastern end of Island of Guadeloupe, and soon after light house on Petite Terre, nearly ahead, and Island of Marie Galanton just abaft. At 6 check rips out of topsails, and made all square sail to royals, except mainsail. Sent apprentices over mast head. Distilling with boiler 2. Engines reported ready. At 6.40 with boilers 3 & 2. Batteries at 8 set clock ahead 9 minutes.

E. L. Beach, Lieut U. S. N.

8 AM to Meridian:- Fair and warm. Moderate East by breeze. Barometer steady. Ship generally steady but rolling occasionally 15° each side. At 9.05 stopped distilling. At 9.25 started ahead with 2 engines using boilers 3 & 2. At 11.30 mustered and exercised at setting up drill all quarters. Went to fire quarters at 11.45, answering ready as follows: Main 3 min, 2nd 1½, 3rd ½, Mizzen 1½ min, 2nd 1½ min, 3rd 2 min. At 12.00 all hands abandon ship, was called at 12.02, boats ready at 12.05. Secured in 2 mins. at 12.07. At 12.15 called all hands, took in and furled all sail, and sent down royal yards. Made preparations for post. Actings appointments from March 1, 1901 for 6 months were issued to Lt. Cunningham, Mate, 2nd, as such, to Enseign as engineer, and A. Nelson as 2nd Asst at 12.40 changed course to N. 79° W. (T. 267) log 12. At 12.55 log 22, changed course to S. 88° W. (p.c.) Island of Guadeloupe on starboard hand, Fort of St Annes steam at noon. At end of watch under steam alone on course S. 88° W. (p.c.) log 23.8. By steam 12 hours 62.

Ralph Earle, Ensign U. S. N.

Meridian to 4 PM:- Moderate and pleasant. Moderate to gentle breeze from East to S. by E. Steaming on course S. 88° W. (p.c.) under steam 2 boilers until 2.00 pm when stood in for an anchorage at Pointe a Petre under one of Cruiser officer and the Navigator. At 2.05 took in patent log reading 23.8. At 2.20 called all hands to bring ship to anchor. At 2.35 anchored in the harbor in 5 fathoms, 30 fathoms of chain out on port anchor. Furled sails and squared awnings. The health officer boarded ship. Ensign Earle U.S.N. made an official visit to the U.S. Consul. Clearing ship for anchorage. Ships head S. 55° E. Flag staff on Colas. S. 56° E. Flag staff on Mornes S. 89° E. Flag staff on Fouillole S. 69° E. Chimney Division No. 5 by standard compass. Both bow and stern cables veered to 5 fathoms of chain. The captain of the port returned my official visit in the Cruiser Officer Guard of the Fouillole at 4.10.

W. Chase, Lieut U. S. N.

4 to 8 PM:- Cloudy and warm. Gentle breeze & light airs from East and E. by S. The U.S. Consul called officially on the captain and on his departure was saluted by 7 guns which the Fort returned. At 5.30 went to quarters and held setting up exercises. A boat hook in 2nd cutter was accidently broken. Fires banked under boilers 3 & 2.

Ralph Earle, Ensign U. S. N.

8 to Meridian:- Cloudy and misty with fine passing showers and bright moonlight. Wind variable, light airs from E. by S. to E. by N. Let go 2nd anchor with 30 fathoms of chain. At 9.30 hauled in 25 fathoms of chain and moored ship with 30 fathoms on each anchor. Furled awnings. Distilling for fires.

W. Chase, Lieut U. S. N.

Examined and found to be correct.

F. F. Lampe

Navigator.

4—206

LOG of the UNITED STATES *Tuscarora Sloop Essex* 3d **Rate,**

At anchor Ponta a Pedra

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1				S by E	East	3	3°		30.25	78	76	74		hc	Cu	SE	11	
2	Moored			E & E	"	3	3°		30.28	77	76	73		hc A.	Cu Cy	"	8	
3	"			"	"	3	3°		30.22	77	76	73		hc	Cu	"	8	
4	"			S by E	"	3	3°		30.22	77	76	73		"	"	"	9	
5	"			"	"	2	3°		30.22	77	76	73		"	"	"	6	
6	"			"	"	2	3°		30.22	77	76	73		oc	"	"	10	
7	"			E S E	"	2	3°		30.22	77	76	73		hcf	Cu M	"	9	
8	"			"	"	2			30.24	77	77	73		"	"	"	7	
9	"			S by E & E	"	3			30.27	78	78	75		"	"	"	9	
10	"			S E by E	"	4			30.28	78	79	76		"	"	"	9	
11	"			"	S E	4			30.28	79	80	76		hc	Cu	"	9	
Noon.	"			"	"	4			30.26	80	82	77		"	"	"	8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Sunspt
Longitude by ° ′ ″ Sun's Mer.

Position at noon: { Latitude by observation ° ′ ″ 81-80
Longitude by observation ° ′ ″ 80-79
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon: Coasting, Various courses.

Distance made good since preceding noon: 12 miles.

Distance by Log since preceding noon: miles.

Current per hour; miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 570 gallons.

Water during the preceding 24 hours, 1900 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																		
1	Moored	S E	S E	3			30.22	81	83	78		hc q v		Cu Cu	SE	8	
2	"	"	"	4			30.24	81	83	78		hcv		"	"	9	
3	"	S by E	"	4			30.20	81	86	81		hc p		"	"	7	
4	"	"	"	4			30.20	80	82	80		"		"	"	17	
5	"	"	"	3			30.24	81	82	78		hc m		Cu Cu	"	6	
6	"	"	"	3			30.22	81	80	76		"		Cu	"	7	
7	"	"	"	3			30.23	82	80	76		"		"	"	4	
8	"	"	"	2			30.24	81	80	76		hc		Cu Cu	"	5	
9	"	"	"	2			30.25	81	80	76		"		"	"	11	
10	"	"	"	2			30.25	81	79	77		"		"	"	11	
11	"	"	"	2			30.25	81	78	77		"		"	"	5	
Mid.	"	"	"	2			30.25	81	78	77		"		"	"	5	

under the command of Commander R. D. Davenport, U. S. Navy,

Saturday March 2, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.- Cloudy and warm with a thin drizzle second hour. Gentle breezes from East. Barometer falling. At which hour proceeded to sea, steering with pilot from Boston Light in Broken out

Geo. N. Hayward
Lieut U.S.N.

4 to 8 P.M.- Fair to cloudy with light passing showers. Light Easterly breezes. Steering under Bow use. Mustered and past apprentices over washdeck at 5:30 First slipped of main engine ashore to ship for repairs at 6:00.

Ralph Earle,
Ensign U.S.N.

8 to Meridian. Cloudy and warm. Gentle to moderate breeze from E. & S.E. Passing showers. First part of watch. Calmed much of first day. The Comdy. Officer made official calls on the Mayor and the Captain of the Port. Boats B taken for drilling purposes. At 9:0 went to quarters to inspect bedding. Barometer fell slightly.

W. Chase
Lieut U.S.N.

Meridian to 4 P.M.- Cloudy and warm with a passing shower at end of first hour. Gentle breeze with a moderate squall first hour, then increasing to moderate breeze from S.E. Barometer steady. The Navy Comm. on board to pay a visit of ceremony. Paid out monthly money. Sent a boat to [illegible]

Geo. N. Hayward
Lieut U.S.N.

4 to 8 P.M.- Cloudy and warm. Gentle S.E'ly breeze. Barometer rose slightly. The Mayor of Point a Petre left the ship at 4:30 and received a salute of seven guns from the Garden. Flag displayed at the fore.

W. Chase
Lieut U.S.N.

8 P.M. to Midnight.- Fair and warm weather. Light breeze from S.E. backing to S.E. by E. last hour. Barometer steady. At 10:55 stopped [illegible] distilling. Commenced tapping water B boats.

Geo. N. Hayward
Lieut U.S.N.

Examined and found to be correct.

F. F. Lee
Lt Navigator.

4—365

LOG of the UNITED STATES Steam Ship Essex 3rd Rate,

At anchor at Point de Tabac

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				S.E. by E.	S.E.	2			30.25	81	79	76		h.c.m.	Cu	East	5	
2	Moored.			"	"	2			30.26	81	79	76		"	"	"	6	
3	"			"	East	1			30.26	81	79	76		"	Cu S	"	6	
4	"			"	"	2			30.26	81	79	76		"	"	"	6	
5	"			"	"	2			30.24	81	78	76		h.c.	"	"	6	
6	"			"	"	2			30.22	81	78	76		"	"	"	5	
7	"			"	"	2			30.22	81	78	76		"	"	"	6	
8	"			"	"	3			30.22	81	79	76		"	"	"	6	
9	"			S.E.	S.E.	3			30.22	82	81	77		h.c.m.	Cu Cu	S.E.	5	
10	"			"	"	3			30.23	82	82	77		"	"	"	4	
11	"			"	"	2			30.25	82	83	78		"	"	"	4	
Noon.	"			S.E. by E.	E.S.E.	3			30.24	81	83	78		"	"	"	5	

Position at 8 A. M. { Latitude by ° ' " Stag Sunspt
Longitude by ° ' " Dead Alt
82 51 81 80

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water , during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 60 lbs.

Coal remaining on hand at noon, 125 " 926 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	Moored			S.E. by E.	S.E.	4			30.26	81	86	80		h.c.m.	Cu	S.E.	5	
2	"			"	"	4			30.24	81	85	80		"	"	"	5	
3	"			"	"	4			30.23	81	85	79		"	"	"	5	
4	"			"	"	4			30.23	81	84	79		"	"	"	5	
5	"			"	"	3			30.23	81	82	78		"	Cu Cu	"	5	
6	"			"	"	2			30.23	81	81	77		"	"	"	4	
7	"			"	"	1			30.23	80	78	76		"	"	"	4	
8	"			"	"	1			30.23	80	78	76		"	"	"	3	
9	"			"	"	1			30.29	79	77	74		"	"	"	4	
10	"			"	"	1			30.29	79	77	74		"	"	"	4	
11	"			"	"	1			30.30	78	76	73		"	"	"	4	
Mid.	"			"	"	1			30.30	78	76	73		"	"	"	3	

4—26

under the command of Commander R. D. Davenport, U. S. Navy,

Sunday March 3 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 A.M.:
Fair and warm. Bright moonlight.
E. L. Beach. Lieut. U. S. N.

4 to 8 A.M.:
Fair and pleasant. Light breze from the East. Barometer steady. At 5.40 sent apprentices over masthead. Liberty party returned.
H. H. Clarke Lieut. U. S. N.

8 A.M. to Meridian:
Fair hazy and warm weather. Gentle breze from S.E. backing to S.S.E. Barometer rising. At 9.30 inspected officers' quarters and read the "Articles for the better Government of the Navy." Holy divine service. Yesterday the Captain received for six months the appointment of Patterson as Acting Assistant Surgeon, a commission as Assistant Surgeon to date 7 June 1902 was this day delivered to Geo. F. Freeman, U.S. Navy.
George N. Hayward Lieut U. S. N.

Meridian to 4 P.M.:
Fair and warm. Moderate breze from S.E.
E. L. Beach Lieut. U. S. N.

4 to 8 P.M.:
Fair hazy and warm weather. Gentle breze from S.E. falling to light airs. Barometer falling. M.E. Thibodeaux Apprentice returned from liberty at 5.30.
George N. Hayward Lieut U. S. N.

8 P.M. to Midnight
Fair and warm. Light airs from S.E. Apprentice Thibodeaux returned from liberty 3 hrs over time.
E. L. Beach. Lieut U. S. N.

Examined and found to be correct.

F. F. Leafer Lt. Navigator.

4—998

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor at Ponta da Pedra

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1	Moored			S.S.E. by E.	S.E.	1			30.30	78	76	73		hc	Cu	Str	1	
2				"	"	1			30.27	78	76	73		"	"	"	6	
3				"	E. by S.	1			30.26	78	76	73		"	"	E.S.E.	4	
4				"	"	1			30.25	78	76	73		"	"	"	5	
5				"	"	1			30.25	78	76	73		"	"	"	5	
6				"	"	3			30.28	78	76	73		hc.c.d.	"	"	6	
7				"	"	1			30.26	78	76	73		hc	"	"	5	
8				"		1			30.28	78	76	73		"	"	"	8	
9				"	"	3			30.30	78	76	73		"	Str Cu	"	8	
10				"	"	3			30.30	78	76	73		"	"	"	5	
11				"	"	3			30.30	79	78	74		"	"	"	4	
Noon.				"	East	1			30.30	81	78	76		"	"	"	8	
				"	"													

Position at 8 A. M. { Latitude by ° ′ ″ — Mary Jewett
Longitude by ° ′ ″ — Sydney Alfr.

Position at noon: { Latitude by observation ° ′ ″ — 27.30 — 27.30
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 125 " 426 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
P. M.																		
1				East	E.S.E.	2			30.32	81	85	78		hc.mc	Cu Str	East	4	
2				"	"	3			30.31	81	84	78		"	"	"	4	
3				"	"	3			30.29	81	83	77		"	Cu	"	4	
4				"	"	3			30.28	81	82	77		"	"	"	4	
5				E. by N.	E.N.E.	3			30.29	80	81	76		"	"	"	4	
6				"	"	2			30.29	79	79	75		"	"	"	3	
7				"	"	1			30.29	79	77	73		"	"	"	3	
8				"	"	1			30.29	79	77	75		"	"	"	3	
9				East	East	1			30.27	81	78	76		"	Cu	"	4	
10				"	"	1			30.28	81	78	76		"	"		4	
11				E. by N.	E.N.E.	1			30.28	81	77	75		"	"		4	
Mid.				"	"	1			30.28	80	79	74		hc.mc	Cu N		4	

under the command of Commander R L Davenport, U. S. Navy,

Monday March 4, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 12 AM:- Cloudy and warm. Light S E by E to E by S and variable. Barometer falling. Bright moonlight.

Ralph Earle Ensign U.S.N.

At 8 AM:- Fair and warm; with a slight drizzle during second hour. Light and from E by S except during second hour when had gentle breeze. Barometer rising. Crowd royal yards at 6. Sent bags over - mastheads. Received from Pay Department 230 lbs meat and 8 rations and 184 of bread. The liberty party returned

Geo. N. Hayward, Lieut U.S.N.

8 AM to Meridian:-

Fair and warm. Gentle breeze from E by S to East. Painting ship's sides. Went to quarters at 9:30 and had routine drills for 1st and 2nd periods, made monthly test of range finder and batteries, found in good condition & good working order. Punishments when awarded as follows by Commdg Officer: M.C. Theisdale, Off 3 cl, this vessel, sentenced to 10 days solitary confinement on bread & water; Machinists Mate 1 cl throwing range powder in wardroom hatch, 2nd class T.P. Sweeney, U.S.N. striking another person in the Navy, 1 cl, F. Bromberger, dishonorable discharge from the service of the United States, sentenced to 10 days solitary confinement on bread & water.

E. L. Brock Lieut U.S.N.

Meridian to 4 PM:-

Fair and warm. Light to gentle E.S.E. ly breeze. From 1:30 to 2:30 crossed at 3 par sail. Furled sail, sent down light yards and masts, unbent the light sails, and crossed yards again. An oar of the dinghy was accidentally broken. Overhauled standing rigging and lifted all guns from battery out & trimmed main. Sent ashore to ship from engine room 2 P. vernet pin heads, collar for clutch, eccentric for steam launch and one eyebolt for platform at 11 S.

Ralph Earle, Ensign U.S.N.

4 to 8 PM:- Fair and warm. Gentle breeze to light airs from E.N.E. Went to quarters at 7:30 and sent out clean hammocks. By order of Comdg Officer, threw overboard matters belonging to Asst Phibbs, it being saturated with wine and prejudical to health of crew. At sunset sent down light yards and masts

E. L. Brock. Lieut U.S.N.

8 PM to Midnight. Fair and pleasant. Light East to E.N.E. ly airs. Bright moonlight.

Ralph Earle Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper Lt. Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor at Point a Pitre Guadaloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	Moored.			East.	E.N.E.	1			30.24	78	76	74		hazy	Cu. Ni.	East	3	
2	"			"	"	2			30.22	77	76	74		hazy	"	"	5	
3	"			"	"	2			30.20	77	76	74		"	"	"	3	
4	"			"	"	1			30.20	77	76	74		"	"	"	3	
5	"			"	"	1			30.18	77	76	74		hazy	Cu.	"	8	
6	"			"	E by N.	1			30.18	77	76	74		"	"	"	9	
7	"			"	East	1			30.18	77	76	74		"	"	"	8	
8	"			"	E by S.	2			30.20	77	76	74		"	"	"	8	
9	"			E by S.	E.S.E.	2			30.22	78	77	75		"	"	"	8	
10	"			S.E by E.	"	2			30.26	80	81	77		"	"	"	7	
11	"			E.S.E.	"	2			30.26	80	81	77		"	"	"	5	
Noon.	"			S.E.	"	5			30.29	86	82	77		"	"	"	5	

Position at 8 A. M. { Latitude by ° ′ ″ Mary Sumpt
Longitude by ° ′ ″ Board Offt.

Position at noon: { Latitude by observation ° ′ ″ 82-80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″ 81-80
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~500~~ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1708 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 1711 " 2166 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	Moored.			E.S.E.	E.S.E.	5			30.21	80	82	77		hc.	Cu. Ni.	S.E.	5	
2	"			"	"	5			30.18	81	82	77		"	"	"	6	
3	"			S.E by E.	"	4			30.17	80	80	77		hazy	Str.	"	8	
4	"			"	"	4			30.17	89	78	77		"	"	"	6	
5	"			E.S.E.	S.E.	3			30.18	70	71	76		hcm	Str.	"	8	
6	"			"	"	3			30.18	79	77	76		hcm	"	"	10	
7	"			"	"	2			30.19	80	77	76		hcm	Cu.	"	9	
8	"			S.E.	"	1			30.20	80	77	76		"	"	"	9	
9	"			E by S.	E by S.	1			30.22	80	77	76		hc.	Cu. Str.	E by S.	7	
10	"			"	"	1/2			30.22	81	77	76		"	"	"	11	
11	"			"	"	1/2			30.22	81	77	76		"	"	"	3	
Mid.	"			"	"	1			30.22	81	77	76		"	"	"	3	

under the command of Commander L. G. Dawnport, , U. S. Navy,

Tuesday 8th Feb. ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.
Clear and pleasant except a passing shower at beginning of watch. Light airs and light breze from E.N.E. Barometer falling slowly. J.H. Brown Lieut U.S.N.

4 to 8 P.M. Cloudy hazy and warm weather. Ob. cured moon light. Light airs from E.N.E. increasing to light breze and hauling to E.S.E. Barometer steady. Scrubbed hammocks. Sent boy on board Revenue mastheads. Fidded topgallant masts and crossed light yards at 5 P.M. J.R. Brooks Seaman was awarded upheld by Capt. George N. Hayward Lieut U.S.N.

8 to Meridian:- Fair and pleasant. Moderate to stiff E.S.E. breze. At 9:30 mustered at quarters, absentees J.R. Brooks, Sea, Held setting up exercise and routine of ships duties. Signal for general quarters sounded for fire and boat drill. A reward of Ten dollars was offered for the arrest and delivery on board of J.R. Brooks, Seaman. On expiration of watch Board met for the examination of Lieutenants Lt. Beach and Lt. Baker. The captains answers pronounced as follows. J.A. Booth Ldg. man charged for mission of cleaning of another person, confined on 4th days month. A. Spurgin Ldg. guilty of throwing away clothing belonging to another person, 2nd class. Richard Dayt. Eggs, baskets each of fresh meat and vegetables, and 224 lbs fresh bread. Issued wooden bits, two cartridge bags, gunboy and outlaws flag mission in exchange. Hoist pennant and pennant ensign and boat ensign under oars. Ralph Earle, Ensign U.S.N.

Meridian to 4 P.M. Cloudy and squally with passing showers. Moderate to stiff breze from E.S.E. Barometer falling slowly. At 1:15 went to quarters and turned to clean hammocks. At 1:30 increased the second cutter of the four cutters, and at 2:00 increased first cutter of same at boat drill under oars. The commanding Officer received an official visit from the Danish Consul on his first visit a salute of seven guns was fired with the Danish flag at the fore. On examination board all present. Toilet the starboard main gun and cleaned rolled J.H. Brown, Lieut U.S.N.

4 to 8 P.M. Cloudy hazy and damp. Light airs to gentle breze from S.E. Barometer steady. The moon rose at 6:30 At 4:30 mustered at quarters and gave divisions setting up exercise. At 5:30 sent down topgallant and royal yards. At 5:45 Ex Board dismissed. J.H. Brown. Lieut U.S.N.

8 P.M. to Midnight:- Fair and pleasant weather with bright moonlight. Light airs from E by S increasing to light breze [illegible] George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Leigh
Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES *Training Ship Essex* **3rd Rate,**

At anchor at Pointe a Pitre

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10 th.	State of the Sea.
A. M.																		
1	Moored			E by S	East	3 1/2			30.17	79	77	76		b c g	Cu M	East	7	
2	"			"	"	3			30.18	78	77	76		o c g	"	"	10	
3	"			"	"	3			30.18	79	77	76		b c m	"	"	7	
4	"			E S E.	E S E	3			30.18	78	77	76		b c g	"	"	8	
5	"			"	"	2			30.18	78	77	76		"	"	"	6	
6	"			"	"	2			30.18	78	77	76		"	"	"	8	
7	"			"	"	1-2			30.19	78	77	76		"	"	"	7	
8	"			"	"	2			30.20	78	77	76		b c	"	"	6	
9	"			E by S	S E.	3			30.23	80	81	77		b c m s	Cu M Cu	SE	6	
10	"			"	"	3-4			30.24	80	81	78		b c g	Cu M Cu	"	9	
11	"			E S E.	S E by E	3			30.27	81	81	78		b c m	"	S E	6	
Noon.	"			E by S	E S E.	3			30.25	81	82	78		"	"	S E.	8	

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″ — *May Journ'l* — *Ind.* 82-80 — *Yp.* 81-80

Position at noon: Latitude by observation ° ′ ″ — Longitude by observation ° ′ ″ — Latitude by D. R. ° ′ ″ — Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 1521 lbs.

Coal remaining on hand at noon, 124 " 646 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10 th.	State of the Sea.
P. M.																		
1	Moored			S E by E	S E.	4			30.25	82	80	80		hem.	Cu M	S E	5	
2	"			"	"	4			30.24	81	80	79		"	"	"	6	
3	"			"	"	4			30.22	82	80	79		"	"	"	6	
4	"			"	"	3			30.22	82	83	78		"	"	"	5	
5	"			S E	"	3			30.22	82	83	78		"	"	"	5	
6	"			"	"	3			30.22	82	83	78		"	"	"	5	
7	"			"	"	1			30.22	82	81	77		"	"	"	4	
8	"			"	"	1			30.22	82	79	81		"	"	"	1	
9	"			E by S	East	1			30.23	81	80	81		"	"	"	3	
10	"			"	"	1			30.25	80	79	81		"	"	"	5	
11	"			"	"	1			30.26	79	80	75		"	"	"	4	
Mid.	"			"	"	1			30.26	79	71	75		"	"	"	4	

under the command of Commander P. G. Davenport, U. S. Navy,

Wednesday March 6, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 PM:- Fair and warm with foggy and frequent rain showers. Gentle to moderate Easterly to E.S.E'ly breezes. Bright moonlight. Italian bark Sant Anna left anchor at 3:00 in tow of a tug. Ralph Earle. Ensign U.S.N.

4 to 8 PM:- Cloudy with light passing showers. Light airs to gentle breezes from E.S.E. At 5:00 crossed t'gallant and royall yards. Received on board 8 pkgs of Provisions, 250 lbs ice, fresh meat and vegetables and 100 lbs fresh bread. The American schooner Charles Mitchell came into the harbor. H. H. Brown, Asst. U.S.N.

8 PM to Meridian:- Cloudy hazy and warm weather with passing showers. First and second hours. Gentle breezes from S.E. backing to E.S.E. and coming on moderate squalls during second hours. Patrolling. At 9:30 inspected at quarters. Privates:- R.F. Escher, Seaman; J. Fuly, Ship's Carpenter's Mate; A. Stavrinu, Seaman; J. J. Downing, Landsman and W. Ramsey, Gunner's Mate 3d cl. A reward of ten dollars is offered for the return of the last four deserters. Had routine drills for 1st period. Had boat drill under oars for 2nd period. An offer made the boarding visit on board the schooner Mitchell (A.S.) and the Mitchell anchored inshore. The New York steam yacht Congress entered and came to an anchor inshore. A Danish barkentine came to an anchor in quarantine. The Captain awarded following punishments:- To J. Kennedy, Coal passer, on returning from liberty drunk, 2nd class, to W. Watkins, Apprentice 1st class, for creating a disturbance at quarters, 6 hours extra duty. The Italian bark left with ceremony on the Danish Consul resident. Painting ship's sides. The examining board is at business at 8 PM:- George N. Hayward Lieut. U.S.N.

Fair, hazy and warm weather. Moderate breeze from S.E. falling to gentle breezes. Barometer steady. Exercised boys in boats after quarters during third period and from 3:45 to 4:30 PM:- The examining board is at work. Painting ship's sides. George N. Hayward Lieut. U.S.N.

Fair, hazy and warm weather. Gentle breezes from S.E. falling to light airs. Barometer steady. At 8:15 mustered at quarters and had physical drill. Absent without leave:- R.F. Escher, Seaman, J. Fuly, Ship's Carpenter's Mate, A. Stavrinu, Seaman, J. J. Downing, Landsman and W. Ramsey, Gunner's Mate 3d class. At 9:00 called all hands and sent down the light yards and the t'gallant masts. A. Stavrinu Seaman and J. J. Downing Landsman, were brought on board by the shore police, and W. Ramsey, Gunner's Mate 3d class returned on board all 10 hours overstay. Downing and Ramsey were put in double irons to await action and for safe keeping, being drunk. The Danish barkentine at Quarantine went to sea. Hoisted the smoke pipe, and at 9:00 started fires in B boiler. The officer made the boarding visit on board the steam yacht Congress (A.S.) The examining board adjourned at 4:30. George N. Hayward Lieut. U.S.N.

8 PM to Midnight. Cloudy and Starand. Light Easterly airs. J. Fuly, Ship's Carpenter's Mate, returned on board 1 hour over liberty. Raising steam in boiler B. Ralph Earle. Ensign U.S.N.

Additional:

Quarantine 8 PM:- Concluding gun-deck gun-mount. George N. Hayward Lieut. U.S.N.

Examined and found to be correct.

E. F. Leppig
Navigator.

4—266

LOG of the UNITED STATES Steaming Ship Essex 3d **Rate,**

Anchored at Ponta a Fire Guadaloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1	Moored			Eby S	East	1			30.24	78	76	75		b 2s	Cu Cu	Cu	1	
2				"	"	1			30.22	78	75	74		"	Cu	"	1	
3				"	"	1			30.20	77	75	74		"	"	"	1	
4				"	"	1			30.18	77	75	74		"	"	"	1	
5				"	"	1			30.17	77	75	74		b cm	"	"	4	
6				"	"	1			30.17	77	75	74		"	"	"	3	
7				"	"	1			30.17	77	75	74		"	"	"	3	
8				"	"	1			30.19	77	75	74		"	"	"	3	
9				"	Eby S	1			30.22	78	76	75		"	"	"	3	
10				"	"	1			30.25	79	79	76		"	"	"	4	
11				SE	SE	2			30.26	80	82	78		"	Cu Cu	"	4	
Noon.				"	"	3			30.26	80	82	77		"	"	"	3	

Position at 8 A. M.: Latitude by ° ′ ″ — Mary Island
Longitude by ° ′ ″ — Point Alt

Position at noon: Latitude by observation ° ′ ″ — 82-81
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″ — 82-80

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 1 tons, 660 lbs.

Coal remaining on hand at noon, 123 " 2246 "

P. M.																	
1	Moored	SE by E	SE	1			30.24	81	82	79		b cm	Cu Cu	Cu	5	
2		"	"	1			30.22	82	83	77		"	"	"	4	
3		SE	ESE	3			30.20	82	82	79		"	"	"	4	
4		"	"	3			30.19	82	84	79		"	"	"	4	
5		"	"	2			30.18	82	74	79		"	"	"	4	
6		Eby S	"	2			30.19	80	80	76		"	"	"	3	
7		"	"	1			30.20	80	78	76		"	"	"	3	
8		"	"	1			30.21	80	77	76		"	Cu Cu	East	3	
9		Eby S	Eby N	1			30.22	78	76	75		"	Cu N	"	1	
10		"	"	1			30.22	79	76	75		b cm	Cu Cirr N	"	1	
11		ESE	Calm	0			30.24	78	76	75		b cm	"	"	1	
Mid.		Eby S	Eby N	1			30.25	78	73	74		"	Cu S	"	1	

Moored in 5 fms

4-24

under the command of Commander E. J. Dorcypart., , U. S. Navy,

Tuesday March 7 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 PM Clear and pleasant. Light airs from East. Barometer falling slowly. Fires in boiler B. Off 2:30 commenced distilling and at 3:15 sent water forward.

J. H. Brown, Lieut U. S. N.

8 to 8 PM Fair, hazy and pleasant weather. Light airs from East. Barometer steady. Sent boys over bows, masthead. At 7:40 called all hands and fitted topgallant masts and crossed topgallant and royal yards at 8. Distilling with steam from B boiler. A grey French bark in at anchor off Lazaretto. The yacht Conqueror went to sea. Received on Day Apartments [illegible] mat edge of vegetables and 184 of fresh bread.

Geo. N. Hayward Lieut U. S. N.

8 PM to Midnight. Cloudy and pleasant. Light airs & gentle breeze from Eby Sto SE. Distilling, boiler B in use. At 9:30 mustered and inspected at Quarters, absentees - R. T. Fischer, pa; and J. Kelly, S. Gun Cl, and a reward of ten dollars was offered for the latter. By order of the Captain, W. Ramsey, QM 3 Cl. and JJ Downing, Cls, were released from confinement; J. C. North, Cls, was placed in single irons for safe keeping for attempting to leave the ship without permission; and C. Hart, O. 2 M, was placed on confinement for being drunk on board ship. Both nothing of exercise, and during that period, drills go as follows: 1st, battery; 2nd and 3rd, ordnance instruction; 4th, pistols; and 5th, single sticks. Second period exercised boats under oars. Examination of Lunch Bags and Baker in Brigade from 9:30 to 12:00. The Captain assigned punishments as follows: J. C. North, Cls, attempting to leave the ship without permission was confined to await trial by summary court-martial; J. Bozchin, Ord 3 Cl, wanton disobedience of orders was placed in solitary confinement for 2 days on bread and water; W. Ramsey, QM 3 Cl 10 hours overleave and drunk, 48 class for 3 months; JJ Downing, Cls, with class for 3 months for 10 hours overleave and drunk, & this extra duty for smuggling out of [illegible] Hansen, Cox brought on board by local police 10 hours overleave and drunk 48 class 3 months; J. Daly, C. M. 10 hours overleave with class 2 months; and C. Reed, S. G. 2 C, striking another person in the Navy, 3d class. French bark Decrade, came into port.

Ralph Earle, Ensign U. S. N.

Monday 12 to 4 PM.

Fair and warm. Moderate & gentle S. E'ly to E. S. E'ly breeze. Cleaned all boats under oars from 1:30 to 2:45 and from 2:45 to 3:45 J. Kelly, S. Gun Cl, returned on board 6 hours over leave. Examination of Lunch Bags and Baker in Brigade from 1:00 to 11:00. Distilling, boiler B in use. Portuguese bark Amelia, Boston entered port at 12 to 8 PM.

Ralph Earle, Ensign U. S. N.

Fair and warm. Light E. S. E'ly airs and breeze. At 8 PM. Sq mustered and inspected at quarters, absentee, J. R. T. Fischer, pa, and held [illegible] of exercise. Distilling boiler B in use. At 9:30 sent down light yards and inboard flying jib.

Ralph Earle, Ensign U. S. N.

8 PM to Midnight. Fair and pleasant except a light passing shower about 10 PM. Calm and light airs from E by N. Steam in boiler B. Distilling. Received from [illegible] at 9:05

J. H. Brown, Lieut U. S. N.

Examined and found to be correct.

E. F. Lister, Lt. Navigator.

4-96

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

At Anchor at Pointe a Pitre, Guadeloupe.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	*Moored.*			*E by S.*	*East*	*1*			*30.21*	*78*	*76*	*75*		*b c m*	*Cu*	*E S E*	*3*	
2				*" " E.*	*" E.*	*1*			*30.19*	*78*	*75*	*74*		*"*	*"*	*" "*	*3*	
3				*E S E.*	*E N E.*	*1*			*30.18*	*77*	*75*	*74*		*"*	*"*	*" "*	*4*	
4				*"*	*"*	*1*			*30.18*	*77*	*74*	*73*		*"*	*"*	*" "*	*4*	
5				*"*	*Calm*	*0*			*30.18*	*78*	*74*	*73*		*"*	*"*	*" "*	*4*	
6				*E by S*	*"*	*0*			*30.18*	*78*	*74*	*73*		*b c*	*"*	*"*	*3*	
7				*"*	*"*	*0*			*30.18*	*78*	*74*	*73*		*"*	*"*	*"*	*3*	
8				*"*	*"*	*0*			*30.18*	*78*	*74*	*73*		*"*	*Fg Cu*	*E*	*6*	
9				*"*	*E S E.*	*1*			*30.19*	*79*	*76*	*74*		*"*	*Cu*	*"*	*6*	
10				*"*	*"*	*2*			*30.20*	*80*	*78*	*76*		*b c m*	*Cu S*	*"*	*8*	
11				*"*	*"*	*4*			*30.23*	*80*	*82*	*76*		*"*	*"*	*"*	*9*	
Noon.				*"*	*"*	*3*			*30.21*	*80*	*83*	*77*		*"*	*"*	*"*	*8*	

Position at 8 A. M.: Latitude by ° ′ ″ *May* *Sunset*
Longitude by ° ′ ″ *Bucs* *Afts*
81-80 *80-79*

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *320* gallons.

Water during the preceding 24 hours, *1800* "

Water remaining on hand fit for use at noon, *2200* "

Coal consumed during the preceding 24 hours, *1* tons, *1860* lbs.

Coal remaining on hand at noon, *122* " *366* "

P. M.																		
1	*Moored.*			*E by S.*	*E S E.*	*3*			*30.20*	*80*	*84*	*79*		*b c*	*Cu*	*E S E.*	*6*	
2				*"*	*"*	*3*			*30.17*	*81*	*85*	*79*		*"*	*Cu*	*"*	*6*	
3				*"*	*"*	*2*			*30.15*	*82*	*84*	*81*		*"*	*"*	*"*	*7*	
4				*"*	*"*	*3*			*30.14*	*82*	*83*	*80*		*b c h*	*Cu N*	*"*	*8*	
5				*S E.*	*"*	*1*			*30.14*	*80*	*83*	*79*		*b c*	*Cu N*	*"*	*5*	
6				*"*	*"*	*1*			*30.15*	*80*	*83*	*79*		*"*	*Cu*	*"*	*2*	
7				*S E. by E.*	*Calm*	*0*			*30.17*	*79*	*83*	*79*		*"*	*"*	*"*	*1*	
8				*E by S*	*"*	*0*			*30.18*	*79*	*77*	*76*		*" "*	*"*	*"*	*1*	
9				*East*	*"*	*0*			*30.18*	*78*	*75*	*74*		*b c m h*	*Cu*	*N E.*	*1*	
10				*"*	*N E.*	*0-1*			*30.18*	*78*	*74*	*74*		*"*	*"*	*"*	*2*	
11				*"*	*"*	*0-1*			*30.18*	*78*	*74*	*73*		*"*	*"*	*"*	*5*	
Mid.				*"*	*"*	*1*			*30.18*	*78*	*74*	*73*		*"*	*"*	*"*	*3*	

Moored at 1 P.M.

4—245

under the command of Commander R. G. Davenport, , U. S. Navy,

Friday March 8 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair, hazy and warm weather. Bright moonlight. Light variable airs from between E. and S.E. and [illegible] Distilling with steam from B. boiler.

George N. Hayward Lieut U.S.N.

4 to 8 A.M. Fair and warm. Calm. At 5:30 mustered and set officers. Operated over masthead. Cleaned and disinfected bilges. Distilling boiler Burning. Received on Pay Department 230 lbs each of meat and vegetables and 150 lbs of fresh bread.

Ralph Earle. Ensign U.S.N.

8 A.M. to Noon. Fair and warm. Light airs to moderate breezes from S.E. At 9:30 mustered and inspected at quarters. Absentee, R. F. Fisher, M. Gave divers and setting up exercise. Exercised at the quarters. Exercised boats under oars at fleet target. The Commanding Officer awarded the following punishments: Kelly, W.S.C. 4 hrs. on Bread from liberty, reduced to 3rd Class. Hart, D.M. C. was confined in single irons to await trial by S.C.M. for being under the influence of liquor aboard ship. Steam on boiler B. Distilling. Cumming Board continued at 9:30

F. H. Brown, Lieut U.S.N.

Noon to 4 P.M. Cloudy with passing showers. Latter part. Light to gentle breezes from E.S.E. At 1:30 overhauled battery and exercised boats crews of Cookmen and Engineers force in boats under oars. At 3:00 P.M. secured running crews of four cutters in boats under oars. Tested magazine, shell rooms, flood valves and found them in working order. Tested the pumps and found them in working order. Steam on boiler B. Distilling. Cumming Board in session

F. H. Brown, Lieut U.S.N.

4 to 8 P.M. Fair and pleasant. Calm and light airs from S.S.E. At 4:30 mustered officers at quarters. Absentee: R. F. Fisher, M. Gave divers setting up exercises. Steam on boiler B. Distilling.

F. H. Brown. Lieut U.S.N.

8 P.M. to Midnight. Fair, misty and very damp. Calm and light airs from N.E. Barometer steady. A small amount of Distillate per diem from B. boiler.

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Larkin. Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At Anchor at Pensacola Fla

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as in 0 to 8.	State of the Sea.
A. M.																		
1	Moored			East	Calm	0			30.18	75	73	72		bc	Cu Cu St		2	
2				"	"	0			30.14	74	72	71		b	"	"	0	
3				"	"	0			30.13	74	71	71		"	"	"	0	
4				E by S	"	0			30.12	74	71	71		"	"	"	0	
5				"	"	0			30.18	74	71	71		bcm	Cu S	"	4	
6				"	"	0			30.19	74	72	71		"	"	"	4	
7				East	E.N.E.	1			30.19	74	73	72		"	"	"	4	
8				"	"	1			30.18	74	73	71		"	Cu N	"	6	
9				"	"	1			30.30	76	73	72		"	N Cu N Cu		8	
10				E by N	"	2			30.21	77	79	78		"	Cu	"	7	
11				"	"	3			30.22	79	80	78		"	"	"	6	
Noon.				"	"	3			30.19	79	81	80		"	"	"	4	

Position at 8 A. M.: Latitude by ° ′ ″ Mary Tempt Point off
Longitude by ° ′ ″ 81-79 80-78

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 360 lbs.

Coal remaining on hand at noon, 121 " 1 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as in 0 to 8.	State of the Sea.
P. M.																		
1	Moored			East	East	4			30.16	80	81	79		bcm	Cu Cu	East	5	
2				S.E.	S.E. by E	4			30.15	80	81	78		"	"	"	5	
3				"	"	4			30.14	80	85	78		"	"	"	4	
4				Ely S	East	4			30.14	80	84	77		"	"	"	4	
5				"	"	3			30.14	79	81	77		"	"	"	6	
6				"	"	2			30.14	79	80	76		"	Cu	"	6	
7				"	"	1			30.14	79	79	76		"	"	"	6	
8				"		1			30.14	79	79	76		"	"	"	5	
9				East	E.N.E.	1			30.17	78	77	75		bc	Cu St	"	7	
10				"	"	2			30.19	78	77	74		bcm	Cu	"	5	
11				"	"	2			30.20	77	76	73		"	"	"	3	
Mid.				"	"	2			30.20	77	76	73		"	"	"	7	

Mean pressure of Barm.

4-25

under the command of Commander R G Davenport, U. S. Navy,

Saturday March 9, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM: Clear and calm. Bright moonlight. Distilling until 1130 when stopped, the tanks being full, and hauled fires. Sounded 6 ft.

Ralph Earle, Ensign U.S.N.

4 to 8 AM:- Fair and pleasant. Calm and light airs from E.N.E. Aired bedding. Sent upper ice over mast head. Read in Dept. of S & O, 230 the cash for meat and vegetables and 183 the fresh bread. Oil guns. Sailed to get fresh air in boilers. Secured and lowered smoke pipe.

F. H. Brown, Lieut U.S.N.

8 PM to Midnight:- Cloudy and misty. Now fair, warm and misty. Light airs from E.N.E. increasing to gentle breeze. Barometer normal. Finished cleaning ship. At 10:30 inspected the living spaces. Absent without leave - T.F. Cudy, Stoker. Navigator made sanitary test of all compasses for variability. The Portuguese bark Emilia, weighed and in attempting to make her way into harbor under sail was obliged to anchor in order to keep clear of a shoal. Short term of confinement being ordered, J. Minchin, Apprentice 3 class, to be released. At 10 AM, the several specifications for the trial by Naval Summary Court-Martial of James O Toole, Landsman, and of Charles Ely, Quartermaster 1 Class, were delivered to the accused. The smoke pipe

George N. Hayward Lieut U.S.N.

Midnight to 4 AM:-

Fair, hazy and warm weather. Moderate breeze from East backing to ENE and then backing to East again. Barometer steady. Pipes down and bedding. Sent a large liberty party of men and boys ashore. The Portuguese bark Emilia entered into and hauled out of harbor with the assistance of the Commanding Officer and John Mudcky Landsman were placed in double irons for rape. Secured ship for sea and sent another liberty party on board.

George N. Hayward Lieut U.S.N.

4 to 8 AM:- Fair, hazy and warm weather. Moderate breeze from East falling to light airs. Barometer steady. Libe[illegible] party on board.

George N. Hayward Lieut U.S.N.

8 AM to Midnight:- Cloudy to fair and pleasant. Light E.N.E'ly airs and breeze. Moon rose at [illegible]

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leffler, Navigator.

4-206

LOG of the UNITED STATES Training Ship Essex **3rd. Rate,**

At Anchor at Pointe a Pitre Guadelupe.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	Moored			East	E N E.	1			30.18	78	76	74		b c.	Cu	C	3	
2	"			"	"	1			30.16	78	75	73		"	"	"	5	
3	"			"	"	1			30.14	77	75	73		"	"	"	6	
4	"			"	"	1			30.14	77	78	72		b c p	Cu M	"	6	
5	"			E by N	N E.	1			30.16	78	77	74		b c m	A Cu	M C	5	
6	"			East	"	2			30.17	78	76	74		b c m r	"	"	8	
7	"			"	"	2			30.18	77	75	74		"	"	"	8	
8	"			"	E N E	1			30.18	79	76	74		"	"	C	7	
9	"			"	"	1			30.19	78	79	78		"	Cu	C	5	
10	"			[illegible]	[illegible]	1			30.20	78	80	76		b c	Fr Cu	"	5	
11	"			"	"	1			30.20	78	81	77		"	"	"	5	
Noon.	"			"	"	1			30.21	79	83	78		"	"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ May Trust. / Longitude by ° ′ ″ Sext Alt

Position at noon: { Latitude by observation ° ′ ″ 81-50 / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ 80-77 / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 120 " 1746 "

P. M.																	
1	Moored	Eby S	E N E.	2			30.20	80	83	74		b c	S Cu	C	8		
2	"	East	"	4			30.19	78	81	77		b c p	A Cu	"	5		
3	"	"	"	2			30.18	78	79	77		"	"	"	8		
4	"	E by S	"	2			30.17	78	79	77		b c	Cu S	"	6		
5	"	E S E.	E S E.	3	2		30.18	78	79	77		b c p	Cu M	"	8		
6	"	"	"	1			30.19	78	77	75		b c m	Cu S	"	6		
7	"	East	"	1			30.21	78	77	75		"	"	"	5		
8	"	"	Calm	0			30.23	79	76	74		"	Fr Cu	"	3		
9	"	E by N	"	0			30.23	78	76	74		b c	"	"	1		
10	"	"	"	0			30.23	78	76	74		b	0	1	0		
11	"	"	E N E.	1			30.24	77	75	74		b c	Fr Cu	St C	3		
Mid.	"	"	"	1			30.23	77	75	74		"	"	"	4		

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday, March 10, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM:-
Fair and pleasant, except a light passing shower last hour. Light airs from E.N.E.

F. H. Brown
Lieut U.S.N.

4 to 8 PM:-
Cloudy and warm weather with frequent sudden showers. Light airs from N.E. increasing to light breeze and handing to E.N.E. Barometer steady. Rec'd on Thy Wpallion 20 M. ~~[illegible]~~ beef, bread and 8 vegetables, and 188 pounds of bread.

Geo. N. Hayward
Lieut U.S.N.

8 PM to Meridian:-
Fair and pleasant. Light E.N.E'ly airs. At 7:30 mustered at quarters, Apprtc. R. Fisher, Jr. The Captain inspected ship and crew. The Chaplain held Divine service. The Salvia merchantmen Matilda and Miss came into port.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 PM:-
Fair with heavy showers. Moderate to light E.N.E'ly breeze. Sent liberty party ashore.

Ralph Earle,
Ensign U.S.N.

4 to 8 PM:-
Fair and pleasant. Light airs to gentle breeze from E.N.E. to E.S.E.

Ralph Earle,
Ensign U.S.N.

8 to Midnight:-
Clear and pleasant. Calm and light airs from E.N.E.

F. H. Brown,
Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Frgate Shp Essex 2nd Rate,

Standing at Pointe a Pitre Guadeloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	Air-Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each form.	State of the Sea.
A. M.																		
1	Moored			Eby N	E N E.	1			30.23	77	75	73		b cm	Str	St NE	3	
2	"			"	Calms	0			30.22	76	74	73		"	"	"	3	
3	"			"	E N E.	1			30.20	75	73	72		"	"	"	3	
4	"			"	"	1			30.20	76	75	73		"	"	"	3	
5	"			East	Calm	0			30.22	76	76	74		be	Cu	East	2	
6	"			"	"	0			30.23	77	76	74		"	"	"	3	
7	"			"	East	1			30.23	77	76	74		b cm	Cu	"	3	
8	"			Eby N	"	1			30.24	77	78	73		"	"	"	3	
9	"			East	"	3			30.26	77	79	73		"	Str	"	3	
10	"			Eby N	"	4			30.27	79	81	76		"	"	"	7	
11	"			"	E N E.	4			30.26	79	82	76		"	"	"	8	
Noon.	"			Eby S	"	4			30.25	80	83	77		"	"	"	7	

Position at 8 A. M. { Latitude by ° ' " Mary Trunk
Longitude by ° ' " Stafford dist

Position at noon: { Latitude by observation ° ' " 81-80 79-78
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass: -

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 120 " 1246 "

P. M.																		
1				Eby S.	E N E.	1			30.23	80	83	77		b cm	Cu	ENE	7	
2				"	"	1			30.20	80	84	77		"	"	"	6	
3				"	East	1			30.18	80	84	77		"	"	"	5	
4				E S E.	"	1			30.18	80	83	76		be	Cu	"	7	
5				"	"	3			30.18	79	81	74		be	"	"	6	
6				East	"	1			30.20	79	78	74		"	Cu	"	4	
7				"	E N E.	1			30.20	80	77	74		"	Cu	"	4	
8				"	"	1			30.20	80	77	74		be	"	"	4	
9				"	"	1			30.20	80	76	74		be	Cu	ENE	4	
10				E N E.	"	1			30.22	78	75	73		be	"	"	4	
11				"	"	2-3			30.24	78	75	73		be	"	"	6	
Mid.				"	"	2			30.24	78	75	73		be	"	"	7	

Moored at 11.30

4—25

under the command of Commander R. G. Davenport, U. S. Navy,

Monday March 11, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends until 4 A.M. Fair, hazy and pleasant weather. Light airs from E.N.E. and calms. Barometer normal.

George N. Hayward Lieut U.S.N.

4 to 8 A.M. Fair and warm. Calms and light East'ly airs. At 5:30 mustered and sent apprentices of watch, over mast head. Relieved in Dry Dept 2:30 the cask of fresh meat and vegetables and 150 lbs of fresh bread. French steamer Labrador came into port. At 8:00 crossed royal yards and loosed sail.

Ralph Earle Ensign U.S.N.

8 A.M. to Meridian: Fair and pleasant. Gentle to moderate breezes from E. to E.N.E. At 9:30 mustered and inspected at quarters. Absentee R.T. Fisher, Sea, and P.S. Dunn, Mach, 2nd class. Gave divisions setting up exercise and divisional routine drill. Second period, exercised four cutters crews under oars. One cash lighter came alongside at 9:15. Set up cashier and sent them ashore in lighter. Steward of Pay Officer also apprehension and delivery on board of P.S. Dunn, Mach, 2nd Cl. The acting appointment of G.J. Coats, Chief Mach, was revoked for six months from March 6, 1907. The Commanding Officer awarded the following punishments; D. Jack, App 3 Cl. loosing government property, 3 hrs extra duty; J. Coffey, BM 3 Cl. returning from liberty late, reduced to 2nd Conduct class. A. McWagner, App 2 Cl. using insulting and obscene language to Cox of boat, 10 hrs extra duty. J. Downing, Ord and J. McCarthy, Ords were confined in double irons to await trial by S.C.M. for being drunk, creating a disturbance and resisting arrest aboard ship. Examining board met at 9:30.

J.H. Brown, Lieut U.S.N.

Meridian to 4 P.M. Fair and pleasant except light passing showers last hour. Moderate breezes from E.N.E. to East. At 1:30 furled sail and exercised at shifting topsails and general until 2:15. At 3:00 exercised four cutters crews under oars. P.S. Dunn, Mach 2 class returned aboard 3 hrs overtime. Examining board in session until 3:50. The French steamer Labrador left the Taylor at 2:45.

J.H. Brown, Lieut U.S.N.

4 to 8 P.M. Fair and pleasant. Light airs to gentle breezes from E. to E.N.E. At 4:30 mustered at quarters. Absentee R.T. Fisher, Sea. Gave divisions setting up exercise. At 5:50 sent down t'gallant and royal yards, sent up t'gallant masts.

J.H. Brown, Lieut U.S.N.

8 P.M. to Midnight. Fair weather and unusually [illegible] cloudy with light rains. Lights airs from E.N.E. increasing to light breezes from [illegible] during last [illegible] hours. Barometer normal. Mean position at 11:30

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper Lieut Navigator.

4—205

LOG of the UNITED STATES Steaming Ship Essex **Rate,**

Anambar at Ponta a Petra Grand Isle

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, tenths.	State of the Sea.
A. M.																		
1	Moored.			East	E N E	1			30 23	77	74	73		he	Sc	E	7	
2				"	"	1			30. 22	77	74	73		"	"	"	6	
3				E by N	"	1			30 21	77	73	72		"	"	"	6	
4				"	"	1			30. 22	76	73	72		"	"	"	6	
5				East	East	2			30. 22	76	74	72		h e m	Cu N	East	7	
6				"	"	2			30. 24	75	74	72		"	"	"	8	
7				E by S	"	2			30. 23	77	75	73		h e m ϕ	"	"	8	
8				"	E S E.	2			30 26	77	75	74		"	"	"	8	
9				"	"	1			30. 26	79	76	74		h e m	E. Cu	S S E	6	
10				"	"	3			30. 28	80	78	78		"	"	"	6	
11				"	"	3			30. 27	79	82	73		"	"	"	2	
Noon.				"	"	3			30. 26	79	83	73		"	"	"	1	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 12 00 "

Coal consumed during the preceding 24 hours, tons, 1010 lbs.

Coal remaining on hand at noon, 120 " 236 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, tenths.	State of the Sea.
P. M.																		
1	Moored.			E N E.	East	3			30.23	80	84	76		h e m.	Cu	E	4	
2				"	E N E.	3			30. 22	80	83	74		"	"	"	4	
3				N E by E	"	2			30. 22	80	82	74		"	"	"	4	
4				"	"	2			30. 21	80	82	74		"	"	"	3	
5				E N E.	"	2			30. 20	80	81	74		"	Sc. Cu.	"	6	
6				E by S	"	1			30. 20	80	78	73		"	"	"	6	
7				"	"	1			30. 20	81	77	73		"	"	"	3	
8				"	"	1			30. 20	81	77	73		"	"	"	4	
9				East	"	1			30. 23	79	77	73		"	Cu.	"	4	
10				"	"	1			30. 26	78	76	72		"	"	"	3	
11				E N E.	"	1			30. 27	78	76	72		"	"	"	3	
Mid.				N E by E	Calm:	0			30. 27	77	75	72		"	"	"	4	

under the command of Commander R G Davenport, U. S. Navy,

Tuesday March 12, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and wated 4 AM. Fair to cloudy and pleasant. Light E NE'ly airs. Bright moonlight.

Ralph Earle, Ensign U.S.N.

4 to 8 AM. Cloudy and misty with passing showers latter part. Light breeze from East to E.S.E. At 5.00 sent up top gallant masts and crossed top gallant and royal yards. Sent apprentices over a chesthead. Received in Dept of Stores, 950 lbs each of fresh meat and vegetables, and 199 lbs fresh bread.

F. T. Brown, Lieut U. S. N.

8 AM to Noon. Fair, hazy and warm weather. Light airs from E.S.E. increasing to gentle breze. Barometer steady. At 9.30 mustered at quarters and had setting up exercises, and routine drills. Exercised crews under oars in the four cutter and the whaleboat during second period. Broke out and began to scrub out clothing and small stores. Absent without leave, R T Fesher, Seaman. The Captain awarded the following punishments:- to F. S. Owen, Machinist 2 class, eight hours overtime, third class, to T. F. Solomon, Apprentice 3 class for persistant and flagrant disobedience of habitual shirking, 12 hours extra duty.

George N. Hayward, Lieut U. S. N.

Meridian to 4 PM.- Fair, hazy and warm weather. Trade breze from East backing to E.N.E. Barometer normal. Finished issuing small stores and clothing. Exercised boys in boats under oars during third period, and crews in cutter, mess attendants and sailed crew in boats under oars for three quarters of an hour from 3. The Board for the Examinations of Lieutenants Beach and Baker appointed this day at 2.30. Received in Pay Department 1050 pounds of rice.

George N. Hayward, Lieut U. S. N.

4 to 8 PM.- Fair, hazy and warm weather. Light breze from E.N.E. falling to light airs. Barometer steady. At 4.30 mustered at quarters and had physical exercises. At 5.45 called all hands and sent down top gallant and royal yards. Absent without leave R T Fesher, Seaman.

George N. Hayward, Lieut U. S. N.

8 PM. to Midnight. Fair and pleasant. Light airs from E.N.E.

E. H. Beach, Lieut U. S. N.

Examined and found to be correct.

P. T. Leiper, Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Tramway Ship Essex 3rd **Rate,**

At Anchor at Pointe a Pitre Guadeloupe.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	1	moored		East	Calm	0			30.24	77	75	72		b c m	Cu	E	4	
2				"	E N E.	1			30.22	77	75	72		b c m f	S Cu	"	9	
3				"	"	1			30.20	77	75	72		"	"	"	7	
4				"	"	1			30.19	77	75	72		f. c.	Cu	"	4	
5				Eby S	Calm	0			30.20	77	74	72		b c m	Cu & S	"	7	
6				"	E N E.	1			30.21	78	76	74		"	"	"	6	
7				East	"	1			30.22	78	76	74		"	Cu S.	"	4	
8				Eby N	"	2			30.24	78	77	74		"	Cu	"	3	
9				East	"	1			30.24	78	80	74		b c	"	"	7	
10				Eby N	"	2			30.24	79	81	75		"	"	"	6	
11				E N E.	"	2			30.24	79	82	76		b c f	Cu N	"	8	
Noon.				"	"	2-4			30.24	79	82	76		b c f f.	"	"	8	

Position at 8 A. M. { Latitude by ° ′ ″ Mas Tempt
Longitude by ° ′ ″ Obs 1 Oft

Position at noon: { Latitude by observation ° ′ ″ 82-80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″ 80-77
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 6,500 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 119 " 1976 "

P. M.													
1	Moored	East	E S E.	3		30.21	80	82	78	b c.	a Cu	E S E.	6
2		"	"	3		30.19	80	82	75	"	"	"	5
3		"	"	2		30.19	81	82	75	"	"	"	4
4		Eby S.	"	2		30.17	79	81	76	b c f.	Cu N	"	6
5		"	"	2		30.16	80	81	75	b c m	Cu S	"	5
6		East	"	2		30.16	79	79	74	"	"	"	5
7		"	"	2		30.17	79	77	74	"	"	"	5
8		E N E.	"	2		30.18	79	77	73	"	"	"	5
9		East	Calm	2		30.19	78	76	72	b	0	0	0
10		"	E N E.	0		30.20	78	76	73	"	—	—	—
11		"	Eby N	1		30.20	78	76	73	b c f	Cu N	E	4
Mid.		"	"	2		30.20	77	75	72	b c.	"	—	5

under the command of Commander R. J. Davenport, U. S. Navy,

Wednesday March 13, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and pleasant. Calm and light E'ly N'Ely airs. Moon rose at 12:30. Ralph Earle. Ensign U.S.N.

4 to 8 A.M. Hazy and vaporous weather. Calms and light airs from E. to E.S.E. increasing to light airs. Barometer nominal. Sent boys over mastheads. At 6 A.M. Tuesday Schooner went to sea. Received on Pay Department 196 pounds of fresh bread and 28¾ lbs of fresh meat and vegetables. Cleaned lamps, trimmed wicks, filled and started fires and stoves. George N. Hazlewood, Asst. Engr. U.S.N.

8 to Meridian. Cloudy with passing showers. Calms and light E'ly and S'ly light breezes with a moderate squall last hour from E.N.E. Steam launch in boiler. At 8:30 All hands mustered and inspected at quarters. Absent R. Fisher, Seaman. Exercised at divisional sailors drills 1st and 2nd periods. Brought on board from machine shop on shore the propeller clutch coupling collar and one wrist pin brass which had been ashore for repairs. A Summary Courtmartial convened on board at 10 A.M. The Commanding Officer awarded the following punishments: F. H. Lozier, A.3.C. reported four times late for being dirty, 10 hrs extra duty. F. Lotterville, A.3.C. smoking, 4 hours extra duty. F. Glock, A.3.C. chewing tobacco, 4 hrs extra duty.

F. H. Brown, Asst. U.S.N.

Meridian to 4 P.M. Fair and pleasant with a passing shower last hour. Gentle to light E. to E'ly breezes. Commenced distilling at 1:15, boiler B in use. A Summary Courtmartial of which Asst. Engr. E. F. Leffingwell was senior member read as follows from 8:30 to end of watch, trying C. Hast, J. M. Hall, J. Drumm and John Nicholas, Firemen. From 1:30 until 2:15 and from 3:00 to 3:25 Albrecht's boat Andes came alongside and received on board 5 C. 140 lbs of flour and 1150 lbs of biscuit. Spanish steamer Balmoral came in.

Ralph Earle. Ensign U.S.N.

4 to 8 P.M. Fair and warm. Light breeze from E.S.E. Sent to quarters at 4:30. At 5:00 sent light yards and light masts down. Distilling boiler B in use.

E. H. Beach. Asst. U.S.N.

8 P.M. to Midnight. Fair and warm with rain showers third hour. Calms with light E. to E'ly airs and breezes. Distilling boiler B in use.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

F. F. Leffingwell. Navigator.
Asst. U.S.N.

4—355

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

At anchor at Pointe a Pitre Guadeloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, from 0 to 8.	State of the Sea.
A. M.																		
1	Moored			E by N	E.S.E.	3			30.20	77	75	72		bcp	Cu.N.	E	8	
2				East	"	3			30.19	77	75	72		bcm	Cu.S.	"	7	
3				E by S	"	2			30.17	77	75	72		"	Fe.Cu.	"	11	
4				E.N.E.	East	3			30.17	77	76	73		"	Cu.S.	"	5	
5				E by S	E.S.E.	3			30.18	77	75	73		bc	Cu		2	
6				"	"	3			30.19	77	76	74		"	bCu		3	
7				East	East	3			30.20	77	76	74		bcm	"		3	
8				"	"	2			30.22	77	76	75		"	"		3	
9				E by S	E.S.E.	3			30.24	78	80	75		"	bcS		8	
10				E.S.E.	"	4			30.25	79	81	76		"	"		9	
11				"	"	4			30.25	79	81	76		bcpm	bcN		8	
Noon.				S.E.	"	4			30.24	80	82	76		bcm	Cu		7	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 4200 "

Water remaining on hand fit for use at noon, 850 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 115 " 16 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, from 0 to 8.	State of the Sea.
P. M.																		
1	Moored			S.E. by E.	S.E.	4			30.20	80	82	75		fc	bCu	E	5	
2				S.E.	"	4			30.19	81	81	74		"	"	"	5	
3				"	"	3			30.18	81	80	77		"	"	"	5	
4				"	"	3			30.18	81	86	78		"	"	"	5	
5				"	"	2			30.17	80	82	74		"	"	"	3	
6				E.S.E.	"	2			30.17	80	80	74		"	C	"	1	
7				"	E.S.E.	2			30.17	80	79	75		"	Cu	"	4	
8				"	"	2			30.17	80	78	74		"	"	"	3	
9				S.E. by E.	"	2			30.20	80	78	74		"	Cu	"	3	
10				"	"	1			30.23	80	79	74		"	"	"	2	
11				E by S	"	1			30.24	80	79	74		"	fCu	"	3	
Mid.				E.S.E.	"	1			30.24	80	77	74		"	"	"	3	

under the command of Commander R. J. Davenport, , U. S. Navy,

Thursday March 14 ,190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM:- Cloudy and damp with passing showers first hour. Light to gentle breze from E.S.E. to East. Fire mens case at 1:30. Steam on boiler B. Distilling.

J. H. Brown
Lieut U. S. N.

8 to 8 PM:- Warm and pleasant. Gentle to light breze from E.S.E to E. Sent boy over mast head. Crossed light masts and light yards at 8. Rec'd on Dept of Sup 225½ pounds each of fresh meat and vegetables and 196 lbs of fresh bread. Distilling boiler B in use.

E. Beach Lieut U.S.N.

8 AM to Meridian:- Cloudy and pleasant with a rain shower third hour. Gentle to moderate E.S.E'ly breze. At 9:30 went to annual quarters, divisions ready as follows 3rd, 2 mins:- 1st, 3½; Pow, 4; 3rd, 5½; 4th, 4½; Nav, 4½; 5th, 6½; Equipment at quarters until 11:25 when secured in 3½ mins. Instructions, R.J. Fisher, Seaman, and period held routine drills and instructions. The Captain assigned following punishments:- D.S. For Off. 3rd, smoking, three extra duty; H. Watkins Off. 3rd, Disrespect towards a petty officer, 5 hrs extra duty. Commercial schooner Edward Stewart of Bangor came into Port. She was boarded by an Officer. Steamer France left harbor at 11:15. In engineering dept, steam launch eccentrics for pumps and two aft screw eye bolts were received on board from shop, completed. Distilling boiler B in use.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 PM:-
Fair and warm. Gentle to moderate breze from S.E. At 1:30 exercised ship for to Scrub and forecastle till 2:10. At 2:45 sent four cutters to exercise under oars till 3:30. Steam on boiler B. Distilling. The acting appointment was issued to Allen Kelly (Seaman) as Ships Mate for six months from March 4, 1901.

J. H. Brown
Lieut U. S. N.

4 to 8 PM:-
Fair and pleasant. Light S.E. to E.S.E'ly breze, Distilling, boiler B in use. At 4:30 mustered at quarters. Absentees R.J. Fisher, Seaman. Note setting of sails. At 5:30 sent down light yards. Received on Dept of Sup 225½ lbs of fresh vegitables.

Ralph Earle,
Ensign U.S.N.

8 PM to Midnight:-
Calm and pleasant. Light airs and haze from E.S.E. Steam in boiler B for distilling.

J. H. Brown
Lieut U. S. N.

Examined and found to be correct.

E. F. Larkin
Lieut U. S. N. Navigator.

4—956

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at Pointe a Pitre Guadeloupe.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				East	Calm	0			30.21	79	78	74		b.c.	S Cu	E	4	
2				"	E by S	1			30.19	78	77	74		"	"	"	3	
3				"	"	1			30.18	78	77	74		"	"	"	6	
4				"	"	1			30.18	78	77	74		"	"	"	8	
5				E by N.	E N.E.	2			30.19	78	78	75		b.c.m.	b.M. a.Cu. Cu.S.	M.E.	9	
6				"	"	2			30.20	77	78	75		"	"	"	7	
7				East.	East	2			30.21	77	78	75		"	"	E.	6	
8				"	"	2			30.20	78	80	75		b.c.	S Cu	"	8	
9				E by S	"	2			30.19	80	81	75		"	"	"	9	
10				"	E by N.	2			30.19	81	84	76		"	"	"	9	
11				"	"	2			30.19	82	85	76		"	"	"	9	
Noon.				E.S.E.	East.	3			30.20	80	83	77		"	"	"	9	

Position at 8 A. M. { Latitude by ° ′ ″ Sag Tangt
Longitude by ° ′ ″ Sight Sight

Position at noon: { Latitude by observation ° ′ ″ 82-81 81-80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1900 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, / tons, 1860 lbs.

Coal remaining on hand at noon, 116 " 496 "

P. M.																	
1				East.	East	4			30.23	80	83	77		b.c.m.	Cu S	E	9	
2				S.E.	S.E.	4			30.22	81	84	77		"	"	"	8	
3				"	"	4			30.21	81	83	77		"	"	"	8	
4				"	"	3			30.20	81	83	77		"	"	"	8	
5				E.S.E.	"	2			30.20	81	82	77		"	"	"	8	
6				S.E. by E.	"	1			30.20	81	79	75		"	"	"	8	
7				"	"	1			30.20	81	79	75		"	"	"	8	
8				"	"	1			30.20	81	79	75		"	"	"	8	
9				"	"	1			30.24	81	80	76		"	"	"	7	
10				E.S.E.	"	1			30.25	81	80	76		"	"	"	7	
11				E by S	"	1			30.25	80	79	76		"	"	"	7	
Mid.				"	"	1			30.25	79	79	75		"	"	"	6	

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Friday March 15 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Cloudy and pleasant. Calm to light airs from E by S. Barometer fell slightly. Exercising with Cutlass & Rifle.

W. L. Braun Lieut U. S. N.

8 to 12 A.M.

Cloudy and pleasant. Light airs from E. and East. Distilling boiler B. in use. At 8:50 mustered and sent apprentices over mastheads. Received on Pay Dept. 366 lbs of fresh bread and 2 1/2 lbs each of fresh meat and vegetables. At 9:00 crossed royals & light yards. Cleaned and resumed ship.

Ralph Earle, Ensign U. S. N.

12 M. to Meridian.

Cloudy and warm. Light to gentle breeze from E. to E by N. At 9:30 mustered and inspected at quarters. Absentees, R. I. Bailey, Gunner. Ord. divisions setting up rigging. At 9:45 went to fire quarters. All divisions reported ready in 2 minutes. At 9:55 sounded provision call and at 9:59 called all hands abandon ship. All boats reported ready in 5 minutes. At 10:05 secured. All divisions and boats secured in 2 1/2 minutes. Exercised boats at fleet tactics under sail from 10:30 to 11:30. R. I. Bailey, Gunner, was declared a deserter, having been absent 10 days without leave. Steam in boiler B. distilling.

W. L. Braun Lieut U. S. N.

Meridian to 4 P.M.

Cloudy and warm. Moderate breeze from E. to S.E. Barometer fell slightly. At 1:30 went to quarters to exercise fighting. From 2:40 to 3:30 hoisted work away having yards under cars. The magazine flood and drain cocks were tested and found in good condition. Boiler B. in use for distilling.

W. L. Braun Lieut U. S. N.

4 to 8 P.M.

Cloudy and warm. Light airs and light breeze from S.E. At 5:30 mustered at quarters and gave divisions setting up rigging. At 5:45 sent down top gallant and royal yards. Steam in boiler B. Distilling.

W. L. Braun Lieut U. S. N.

8 to 12 midnight.

Fair and pleasant. Barometer steady. Light airs from S.E. At 11:30 shut down distillers and banked fires in boiler B.

W. L. Braun Lieut U. S. N.

Examined and found to be correct.

E. F. Leeper, Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Anchor at Pointe a Pitre Guadeloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridian, form.	CLOUDS. Amount, each=10.	State of the Sea.
A. M.																		
1	Moored			East	Calm	0			30.22	80	77	75		b c m	b c	E	4	
2				"	"	0			30.20	79	76	75		"	S Cu	"	3	
3				"	"	0			30.18	78	75	74		"	"	"	3	
4				"	E N E.	1			30.17	78	75	73		"	b Cu	"	3	
5				E by S	East	1			30.18	78	75	72		b c.	Cu		3	
6				"	"	1			30.19	77	75	72		b c m	"		4	
7				"	"	1			30.20	78	77	74		"	"		4	
8				East	"	1			30.22	78	78	75		"	a Cu		4	
9				"	S. E.	1			30.23	79	80	76		b c.	Cu		5	
10				S E by S	"	2			30.24	79	81	76		"	"		5	
11				S E	"	3			30.24	79	82	75		"	"		7	
Noon.				"	"	3			30.24	80	84	77		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ May Tenth
Longitude by ° ′ ″ 1861 A.M.

Position at noon: { Latitude by observation ° ′ ″ 81-80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″ 80-79

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1000. "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 1 tons, 870 lbs.

Coal remaining on hand at noon, 113 " 636 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridian, form.	CLOUDS. Amount, each=10.	State of the Sea.
P. M.																		
1	Moored			S E by E	S.E.	3	2°	S	30.20	80	84	77		b c m	Cu Str	S.E.	4	
2				"	"	4	2°	"	30.19	80	84	77		"	"	"	3	
3				S.E.	"	4	2°	"	30.18	81	84	77		"	"	"	3	
4				"	"	4	2°	"	30.18	81	84	77		"	"	"	3	
5				E S E.	"	4			30.18	81	83	76		"	"	"	4	
6				S E by E	"	2			30.19	80	80	75		"	"	"	4	
7				S E.	"	1			30.20	80	79	75		"	"	"	3	
8				"	"	1			30.22	79	78	75		"	"	"	2	
9				S E by E	East	1	1°	"	30.22	78	77	74		b m	"	"	0	
10				"	"	1	1°	"	30.22	78	76	74		b c m	Cu	East	1	
11				"	"	1	1°	"	30.22	77	75	73		"	"	"	3	
Mid.				"	"	1	1°	"	30.22	77	75	73		"	"	"	3	

under the command of Commander R. J. Davenport, U. S. Navy,

Saturday March 16, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy hazy and warm weather. Calms and light airs from S.W.E. Barometer normal. Fires banked ~~two~~ three. Monument 5 AM.

George N. Hayward
Lieut U. S. N.

4 to 8 AM.

Clear and pleasant. Light airs from East. Fires banked in boiler B. At 7 co started fires in boiler D. Received in Dept of S & A 2282 lbs fresh meat and 199 lbs fresh bread.

F. H. Brown
Lieut U. S. N.

8 to Meridian.

Fair and warm. Light airs to gentle breeze from S.E. Barometer steady. At 10 went to quarters to inspect bedding. Brought to chain to buoy stern hedge and hove in to 15 fathoms. Making preparations for sea.

W. H. Beehler Lieut U. S. N.

Meridian to 4 PM.

Fair, hazy and warm weather. Gentle breeze from S.E. increasing to moderate breeze from first hour. Barometer normal. Hoisted dinghy and continued preparations for sea. The finished casting for the new stern of the light pinnace was brought on board. Fires banked in ~~Boiler~~ D boilers. Overhauled lead and log lines.

George N. Hayward
Lieut U. S. N.

4 to 8 PM.

Fair and pleasant. Moderate E.S.E'ly breeze to light S.E'ly airs. At 5:30 took hedge out astern bent to a 5 fathom and secured same. Fires banked in boilers Band D. Barometer rising slowly.

W. H. Beehler
Lieut U. S. N.

8 PM to Midnight.

Fair hazy and warm weather. Light airs from S.E. ~~Barometer~~ steady. Fires banked in Band D boilers.

George N. Hayward
Lieut U. S. N.

Examined and found to be correct.

E. F. Leitch
Lieut U. S. N. Navigator.

4—366

LOG of the UNITED STATES Training Ship. Essex 3rd Rate,

Anchor at Pointe a Pitre Guadeloupe

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulbs.	TEMPERATURE. Air: Wet Bulbs.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-6.	State of the Sea.
A. M.																		
1	Moored			S.E. by E.	S.E.	1			30.21	77	75	72		h.cm	Cu.	E	4	
2				"	"	1			30.19	76	75	72		"	"	"	4	
3				"	"	1			30.18	76	74	72		"	"	"	5	
4				"	"	1			30.18	76	74	72		"	"	"	5	
5				S.E. by E.	East	1			30.19	76	74	72		"	Cu. S.		4	
6				"	"	1			30.20	76	75	72		"	"		5	
7				"	"	1			30.21	76	76	72		"	"		6	
8				"	"	1			30.22	78	78	73		"	Cu.		6	
9				E. S.E.	S.E.	3	1°		30.25	79	80	76		"	Cu. Cu.		6	
10				S.E. by E.	S.E.	4	1°		30.26	80	84	77		"	"		6	
11				"	"	4	1°		30.26	80	86	78		"	"		6	
Noon.				S.E. by S.	S.E. by S.	4	1°		30.24	81	86	78		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Flag Staff
Longitude by ° ' " Fort Mt.

Position at noon: { Latitude by observation ° ' " 82-81 80-78
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, 1 tons, 365 lbs.

Coal remaining on hand at noon, 114 " 61 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulbs.	TEMPERATURE. Air: Wet Bulbs.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-6.	State of the Sea.
P. M.																		
1	Moored			S.E. by S.	S.E.	4			30.20	81	85	77		h.c.	Cu.	E	4	
2				"	"	4			30.18	81	87	79		"	"	"	4	
3				E. S.E.	S.E.	3			30.17	81	88	79		"	"	"	4	
4				"	"	3			30.17	81	88	80		"	"	"	4	
5				"	"	2	1°		30.17	81	86	79		h.cm	Cu. Cu.	"	4	
6				S.E. by E.	"	2	1°		30.18	80	83	78		"	"		4	
7				"	"	1	1°		30.18	80	80	77		"	"		3	
8				"	Calms	0	1°		30.20	80	79	77		"	"		3	
9				"	"	0			30.22	79	77	76		"	Cu.		3	
10				S.E.	"	0			30.24	80	76	76		"	"		3	
11				"	"	0			30.24	80	75	75		h.	—		0	
Mid.				"	"	0			30.24	80	75	75		"	—		0	

under the command of Commander R. S. Davenport, U. S. Navy,

Tuesday March 17, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 AM. Fair and warm. Light airs from S.E. by E. Ship pooped in boilers Band D. Commenced distilling at 2:00 P.M. with boiler D.

E. Beach Lieut. U.S.N.

at 8 P.M. Fair and pleasant. Light showers at 9 AM. Barometer rose slightly. At 5:30 A.M. mustered and sent apprentices over masthead. Distilling. Boiler B in use. Fires banked. Ship keeps D.

H. H. Wilson Lieut U.S.N.

8 AM to Meridian:-

Fair, hazy and warm weather. Gentle breezes from East hauling to S.E. and increasing to moderate breezes. Barometer normal. At 9:30 A.M. inspected at quarters, called all hands, left part of the specifications, readings, and sentences in the four cases as stated below, and had General Muster. Had church. Sent ashore for alterations, the two guides of the high pressure slides, the main engine. The following are the offenders, offences and sentences, as approved and published. James A. Knoth, landsman, for attempting to leave the ship without permission, to discharge from the service with bad conduct discharge and to lose three months pay; Charles Hart, Quartermaster 1 class, for being drunk on board ship, to solitary confinement in double irons on bread and water for fifteen days, with a full ration one day in three, and to lose one months pay; John McCaskey, landsman, for being drunk on board, creating a disturbance, and assaulting a petty officer, to solitary confinement in double irons on bread and water for thirty days with a full ration one day in three and to lose two months pay; John Sammons, landsman, for being drunk on board, creating a disturbance, assault and resisting arrest, to discharge from the service with bad conduct discharge and to lose three months pay. The specifications in all the cases were found proven, the discharges were not to take place in a foreign country, and the parts of the sentences referring to loss of pay were referred to the Secretary of the Navy. Hart and McCaskey were placed in solitary confinement in double irons on bread and water according to sentence, and by order of the Captain, Knoth and Sammons were placed in double irons for safe keeping while in port, and are to be placed in single irons from 7 P.M. to 7 A.M. while at sea for safe keeping, until the sentences in the cases may be carried out. Distilling. Both steam from B boiler and fires banked in D boiler. Discharged J. Shepherd, landsman, from hospital to duty. Received 4 prisoners this day.

Jesse N. Hayward, Lieut U.S.N.

Meridian to 4 PM:-

Fair and warm. Moderate to fresh breeze from S.E. to E.S.E. Ship pooped in boilers D. Distilling with boiler B. J. B. Shepherd, landsman, discharged to hospital.

E. Beach Lieut. U.S.N.

at 8 P.M. Fair, hazy and warm weather. Gentle breezes from S.S.E. falling to calm. Barometer steady. Fires banked in B boiler. At 2:00 stopped distilling with B boiler and banked its fire. The guides for the high pressure slide of the main engine came on board. Inserted and secured.

Jesse N. Hayward, Lieut U.S.N.

8 PM to Midnight:-

Clear and pleasant. Calm. At 9 found A. Vanney Cox under influence of liquor and by order of Commanding Officer placed him in double irons. Fires banked in boiler Band D.

E. Beach Lieut U.S.N.

Examined and found to be correct.

F. F. Leefe Lieut U.S.N. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Pointe a Pitre Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10-10.	State of the Sea.
A. M.																		
1				S E ½ E	Calm	0			30.22	78	75	72		b	—	—	—	—
2				"	"	0			30.20	78	75	72		"	—	—	—	—
3				"	"	0			30.18	78	74	72		"	—	—	—	—
4				"	"	0			30.18	78	74	72		"	—	—	—	—
At 6.30 got under sail			12.8	E S E	"	0			30.18	78	75	73		b c m	C S	S	2	S
6	0	7	32.5	Various	E N E.	1			30.21	78	76	73		"	C Cu	"	3	"
7	2	8	36.3	S ½ E	"	2			30.23	78	76	73		"	"	"	3	"
8	5	5	41.8	"	N E by E	3			30.24	79	78	74		b c m d	Cirst	"	5	"
9	5	7	47.8	"	"	3			30.24	79	78	74		b c	S Cu	N E	4	"
10	3 ½	6	51.0	"	N E	4			30.25	80	79	75		"	Cu	"	4	"
11	3	8	54.8	S by W ½ W	"	4			30.24	79	79	75		"	"	"	4	"
Noon.	5	0	60	S ½ W	"	4			30.23	79	82	75		"	"	"	5	"

Position at 8 A. M. { Latitude by Bearings — 16° 3' 50" N Mag Tempt
Longitude by Bearings — 61° 29' 10" W Var 8° 30' W

Position at noon: { Latitude by observation Bearings — 15° 42' 45" N 82-81 80-78
Longitude by observation Bearings — 61° 32' 10" W
Latitude by D. R. — 15° 41' 30" N
Longitude by D. R. — 61° 29' 0" W

Course made good since preceding noon: S 4° W.

Distance made good since preceding noon: 36.5 miles.

Distance by Log since preceding noon: 36.5 miles.

Current per hour: 0.5 miles, set W N W. true.

Position at 8 P. M. { Latitude by Bearings — 15° 20' " N
Longitude by Bearings — 61° 32' " W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 450 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 4 tons, 80 lbs.

Coal remaining on hand at noon, 110 " 10 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10-10.	State of the Sea.
P. M.																		
1	5	9	70.9	S S° W	E S E.	5			30.22	79	81	81	77	b c	Cu	C°	3	S
2	4	6	75.5	Various	N E	4			30.20	80	82	82	77	"	"	N E	2	"
3	—	—		"	"	4			30.19	81	82	83	77	"	Cirst	"	3	"
4	—	—		"	"	4			30.17	80	82	82	75	"	"	"	3	"
5.30			75.5	"	"	4			30.17	80	80	80	75	"	Cu	"	3	"
6	0	6	77.0	S 1/4° E	East	3			30.16	79	79	77	75	"	"	"	3	"
7	4	5	82.3	South	"	3			30.17	79	78	76	75	"	Cirro Cu	East	3	"
8	2	0	84.3	S 1/4° E	"	4			30.18	79	77	76	75	"	"	"	3	"
9	2	1	86.4	"	"	4			30.22	80	77	76	75	b c	Cirst	"	7	"
10	1	0	87.4	"	"	2			30.22	80	78	76	75	b c m	Cirro	"	7	"
10.40			87.4															
11		5	87.9	"	E N E.	1			30.22	80	78	76	75	"	"	"	5	"
4 Mid.		9		"	"	2			30.20	80	78	76	75	"	"	"	1	"

4-26

under the command of Commander R. C. Davenport, U. S. Navy,

Monday March 18, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.:- Clear and calm; Fires banked under Band D boilers
4 to 8 A.M.:- Ralph Earle, Ensign U. S. N.

Fair hazy and warm with a very slight drizzle at end. Calms and light airs from S.W. & N.E. backing to N.E. by E. and increasing to gentle breeze. Barometer nominal. At 5:30 weighed the kedge astern. At 5:55 called all hands, weighed anchor, and steamed out of harbor with the Captain at the conn, using boilers Band D and spreading fires at 6. At 6:30, patent log reading 33.5, passed the outer (gas) buoy close aboard and changed course to S 12 E by standard compass. At 7 set jib, main topsail and spanker. At end of watch bearings by standard compass: Steps Head, S 6 E; southernmost of Basse Terre, S 69 W; south east tangent of The Saints, S 23 W; and north tangent of Morne Calante, S 71 E. At 7 relieved J. J. Downing and J. J. Brock, landsmen, as gunners at large. A Sansum (Corp) was released being sober. Boys mustered and Ships draught forward 14 feet 2 inches; aft, 16 feet 8 inches.

Geo. N. Hayward
Lieut. U. S. N.

8 A.M. to Meridian:-

Fair and warm. Moderate breeze from N.E. steering S. & E. to S. by W. & W. changing course to order from Captain, having Guadeloupe and steaming to westward side of Dominica; went to quarters at 9:35. Ships stations and crew and cleared ship for action. By order of Deputy Officer punishments were awarded as follows:- C. E. Edgerly, Appr. 3 C. skylarking, 4 hours extra duty; T. Wright, Appr. 3 C. persistently skylarking, 3 days solitary confinement on bread and water; J. F. Steiger, Appr. 3 C. having soiled mattress cover, 2 hours extra duty; A. J. Roberts, Appr. 3 C. Drunk on board ship after returning from duty on the dinghy, 3 days solitary confinement on bread and water; A. Hansen, Ldsm. drunk on board ship. Continued on 4th page 2 minutes; G. W. Seeley, Appr. 3 C. using insulting and obscene language to an Petty Officer, 3 days solitary confinement on bread and water; W. P. Wickmeier, Appr. 3 C. throwing, starting another persons watch, 3 days solitary confinement on bread and water. Steaming with boiler Band D, under forward and aft sails. Before clearing ship, crossed light yards, up clearing gear double light yards and masts. Reg steam 35, Reg rev. 33.4.

E. L. Brock
Lieut. U. S. N.

Meridian to 4 P.M.:- Fair and warm, Steering to moderate S.W. & W. by S. breeze. Barometer falling. Ship steady. Steaming under boilers Band D. On course S. 6 W. (per C.) until 1:45 when hauled in log reading 95.5 and put over grid gun target. Went to general quarters at 1:50 and commenced practice with all guns at ranges from 100 to 1500 yards, continuing until 3:15 when ceased firing at target again and began to rig ship. Island of Dominica similar distant to the East'd. Expended 12-6" C. P. Concussion primed, 6-6" C. P. electric primed, 28-6 pdr C. P. 24-1 pdr C. P. and 600 6 mm Colt. One 6" C. P. burst upon leaving muzzle of gun and exploded overboard accidentally. James C. Shepherd, Ldsm, was entered for 4 years from this date, duty stamp to be issued.

Ralph Earle, Ensign U. S. N.

4 to 8 P.M.:-

Fair and pleasant. Moderate gentle breeze from N.E. to S.E. Completed for duration on every point. At 5:00 headed S. 6 E. (per C.) and put over patent log reading 77. Finished rigging ship. Barometer falling. At 6:40 set fore and aft gaff sails and jib. Reg steam 37, Reg rev. 39.1

H. H. Mc. Lieut U. S. N.

8 to 12 P.M.:- Fair and warm weather. Gentle breezes from East increasing to moderate breeze. Barometer steady. Steered S to 7 on course South, and from 7 to 8 on course S. 6 E. by standard compass. At 8:00 stopped firing the boilers, and at 8:45 for lack of steam stopped the engines and uncoupled the screw. At end of watch on course S. 6 E. by standard compass under the foresail and sail fore and aft sails except the mainstaysail and spanker. Island of Dominica on port beam. At 7:30 James C. Knott and J. J. Downing, landsmen, were placed in irons for the night for safe keeping.

Geo. N. Hayward
Lieut. U. S. N.

12 M. to Midnight:-

Fair and pleasant, light airs to light breeze from East to E. by S. Ship on course S. 6 E. (per C.) heaving and pitching, fore and aft sails except mainstaysail staysail. Took in spanker at 11. Burning steady along south western shore of Dominica. At 11 passed Cloud of Dominica, was on port beam, distant about 2 miles.

E. L. Brock
Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper
Lieut. U. S. N.
Navigator.

4—355

LOG of the UNITED STATES *Training Ship Essex* 3rd **Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
By Chip	0	5	87.5	S.8°E	E.N.E.	3	—	—	30.17	80	78	75	75	b.c.	Cu	E	2	S
2	0	9	87.6	"	"	3	—	—	30.15	80	78	75	75	"	"	"	1	"
3	1	5	87.8	"	"	3	—	—	30.13	80	78	75	75	"	"	"	3	"
4	1	2	88.2	"	"	4	—	—	30.12	80	78	75	75	"	Scu	"	3	"
5	2	4	90.3	S.9°E	E by N	4	4	1½	30.14	81	78	74	76	b.c.	Cu	NE	2	"
6	3	8	94.1	"	"	5	4	1½	30.15	81	78	74	76	"	"	"	4	"
7	3	7	97.8	S.11°E	E.N.E.	5	4	1½	30.16	82	78	74	76	"	Cu N	"	7	"
8	3	3	101.1	"	"	5	4	1½	30.17	82	78	74	76	"	"	"	5	"
9	2	5	3.6	S.15°E	"	5	3	2	30.18	82	80	77	76	b.c	Scu	"	5	"
10	2	6	6.2	S.33°E	"	5	3	1	30.18	81	80	77	78	"	"	"	4	"
11	3	0	9.2	"	"	5	3	1	30.19	80	80	77	79	"	Cu Cu	"	4	"
Noon.	3	2	12.4	"	"	5	3	1	30.19	80	80	77	79	"	"	"	8	"

Position at 8 A. M.: Latitude by D.R. 15° 2' " N Mag. Temp't
Longitude by obs 61° 34' " W Sound Alt.
Position at noon: Latitude by observation 14° 43' 5" N 83-81
Longitude by observation 61° 29' 57" W 82-80
Latitude by D. R. 14° 57' 24" N
Longitude by D. R. 61° 29' 16" W

Course made good since preceding noon: S 2° E
Distance made good since preceding noon: 5.7 miles.
Distance by Log since preceding noon: 5.2 miles.
Current per hour: 0.34 miles, set S 5° W true.
Position at 8 P. M.: Latitude by 14° 11.1' N
Longitude by 61° 30' 15" W.
Variation of compass: 0° 30' Wly
Error of compass observed at 5:29 P.M. 4° 20' W
Deviation of compass on S. W. 3° 50' "
Water expended during the preceding 24 hours, 550 gallons.
Water during the preceding 24 hours, "
Water remaining on hand fit for use at noon, 2150 "
Coal consumed during the preceding 24 hours, 2 tons, 100 lbs.
Coal remaining on hand at noon, 107 " 2151 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	2	1	14.5	S 34° E	N.E by E	3	3°	5	30.17	79	81	78	79	b.c	Sc Cu Cumb	NE	9	S
2	0	7	15.0	"	"	1	2°	6	30.15	79	81	78	79	"	"	"	9	"
3	0	5	15.1	"	"	1	2°	6	30.12	80	81	78	79	"	"	"	8	"
4	0	2	16.1	"	"	1-0	2°	7	30.10	80	81	78	79	"	"	"	8	"
5	0	5		"	E.S.E.	4	2°	7	30.12	79	78	76	79	"	"	"	6	"
6	1	0		N.E by N	"	4	2°	3	30.12	79	78	76	79	"	"	"	7	"
7		9		N. 25° E	"	4	2°	3	30.14	80	79	77	79	b c m	a Cu	"	6	"
8		9		N 5° E	East	3	2°	3	30.16	81	79	77	79	"	"	"	5	"
9		6		North	E.N.E.	2	2°	3	30.18	81	78	77	79	b c	"	"	6	"
10		7		N 2 E	"	3	2°	3	30.18	80	77	76	79	"	"	"	4	"
11		5		N by E	East	2	2°	4	30.18	79	76	75	79	"	Scu	"	7	"
Mid.		3		N. by E	"	1	2°	4	30.18	79	75	75	79	b.c.p	Cu N	"	9	"

4—246

under the command of Commander R. D. Davenport, U. S. Navy,

Tuesday March 19, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.- Clear and pleasant. Gentle to moderate E.N.E'ly breeze. Barometer falling. Ship steady. Island of Dominica on port beam and Martinique on port bow. Steering free, and by on port tack making S.8°E. [p.s.c.]. Under flying jib, jib, fore topmast staysail, forsail and spanker.

Ralph Earle, Ensign U.S.N.

4 to 8 A.M.- Cloudy weather. Moderate to stiff breeze from E'by N to E.N.E. Barometer rising slowly. Under flying jib, jib, fore topmast staysail, ~~staysail~~ forsail and main topsail. At 6.30 handed down the flying jib. By the wind. First half of watch. On course S.8°E. latter half. Sent apprentices aod mast-head. Lowered smoke pipe. Released J. J. Downing, Lds. and J. A. Knoth, Lds. from confinement. Islands of Dominica and Martinique in sight on ~~port~~ beam.

J. H. Dayton, Lieut. U.S.N.

8 P.M. to Midnight.- Cloudy and pleasant. Stiff breeze from E.N.E. Full and by on port tack under jib, fore topmast staysail forsail and main topsail until 8.15 P.M. when set spanker, making good S.45°E. [p.s.c.] and S.33°E. [p.s.c.]. During 1st and 2nd drill periods had routine drills. The Cond'g Officer imposed 10 hrs extra duty on the following named apprentices for having been reported four times for being dirty. F. P. Erickson, J. A. Stage, F. Nugent and S. E. Bayley. Barometer steady.

J. H. Dayton, Lieut. U.S.N.

Midnight to 4 A.M.- Fair and pleasant weather. Gentle breeze from N.E. by E. falling to calms, and full of flaws last half of watch. Barometer falling. At 1.30 had routine drills for third period. From 2.15 to 3 instructed forecastle boys of the watch in use of ship log and sheet. At 3.00 second division had gallery practice. At end of watch ship drifting nearly dead to leeward under the forsail and all the fore and aft sail except the ~~main~~ fore topmast staysail.

Geo. N. Hayward, Lieut. U.S.N.

4 to 6 A.M.-

Fair and pleasant. Moderate breeze from E.S.E. Ship full and by under forsail and fore and aft sail except main topmast staysail. Mustered at quarters at 4.30 and served out clean hammocks to starboard watch. Furled and secured at making and furling sails. Hauled down flying jib at 5.00. Between 5 and 5.30 were ship. Between 8 P.M. and Midnight yesterday March 18th the following articles were condemned by Quarterly Board of Survey Officers and by authority of Cond'g Officer were thrown overboard. 50 lbs dried peaches, 25 lbs biscuit, 5 lbs canned tomatoes, 2 lbs canned beef, and 2 lbs canned peas. At end of watch ship heading (p.c.) W.S.W. ½ W. on starboard tack.

E. H. Beach, Lieut. U.S.N.

6 to 8 A.M.- Fair and pleasant. Moderate to gentle E.S.E'ly to East'ly breeze. Barometer began to rise. Ship pitching easily. Under sail as in previous watch, full and by on starboard tack making about W.26°S. to W.5°S. [p.s.c.]

Ralph Earle, Ensign U.S.N.

8 A.M.- Cloudy with a passing shower at end of watch. Light airs to gentle breeze from E.N.E. to East. Smooth sea. Barometer steady. Under jib, fore topmast staysail, forsail, main topsail and spanker. By the wind making course north to W.S.W. Lights of St Pierre Martinique in sight ~~on port bow~~ from first part of watch.

J. H. Dayton, Lieut. U.S.N.

Examined and found to be correct.

F. F. Lee, Lieut. U.S.N. Navigator.

4—205

LOG of the UNITED STATES *Training Ship Essex* 3rd **Rate,**

Making Passage from Pointe a Pitre Guadeloupe to St Thomas.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	0	8		N ½ W.	E.N.E.	0-3	2°	S/ ft	30.16	79	78	76	79	b c m	a c	E	9	L
2	1	0		"	"	3	2°	1 °	30.14	79	78	76	79	"	"	"	8	"
3	1	2		"	"	3	2°	1 °	30.13	79	77	76	79	b c p	a S t	"	7	"
4	1	4		"	"	3	2°	"	30.13	79	77	76	79	b c m	A c Cu	"	7	"
5 by Chip	2	0		N 5° E	Ost	4	4°	3 '	30.14	79	78	74	79	b c	Cu Cu	C b y th	8	S
6	2	5		"	"	3	3°	½ "	30.15	79	78	76	79	"	"	"	6	"
7	3	0	15.7	N 4° W	E.N.E.	3	4°	½ "	30.17	80	78	75	79	"	"	C.N.E.	6	"
8	3	5	18.7	"	"	4	4°	½ "	30.18	80	79	76	79	"	"	"	5	"
9	4	0	22.7	N 6° E	East	4	4°	½ "	30.21	79	81	79	79	"	"	"	6	"
10	4	2	26.9	N 11° E	"	4	4°	1 "	30.24	79	82	78	79	"	A Cu	"	8	"
11	4	4	31.3	N 16° E	E by S	4	4°	1 "	30.21	79	82	79	79	"	"	C	5	"
Noon.	4	9	36.2	N 34° E	S E by S.	4	4°	1 "	30.14	79	82	79	79	"	"	"	5	"

Position at 8 A. M.: Latitude by D. R. 14° 56' 30" N — Mary Tempest
Longitude by obs. 61° 35' 30" W — Fmst Mate

Position at noon: Latitude by observation 15° 13' 52" N — 82-81
Longitude by observation 61° 34' 12" W — 81-80
Latitude by D. R. 15° 13' 30" N
Longitude by D. R. 61° 33' 36" W

Course made good since preceding noon: N 8° W.

Distance made good since preceding noon: 51. miles.

Distance by Log since preceding noon: 41.3 miles.

Current per hour: 10 miles, set N 60° W true.

Position at 8 P. M.: Latitude by Bearings 15° 16' 36" N
Longitude by 61° 34' 18" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 800 gallons.

Water ——— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1300 lbs.

Coal remaining on hand at noon, 107 " 801 "

P. M.																		
1	4	2	40.4	N 39° E	E.S.E.	4		½ ft	30.18	79	82	79	80	b c	A Cu	E	4	L
2	0			to Passageway	Calm	0			30.19	80	84	80	80	"	"	"	3	"
3	0			"	"	0			30.12	82	84	80	80	"	Cu St	"	2	"
4	0	4		N 18° E	East	1		½ "	30.12	82	83	80	81	"	"	"	5	"
5		2		"	"	1		1 "	30.12	81	80	79	81	"	Cu	"	4	"
6	1	3		S 36° E	E by N	3		2 "	30.12	81	80	78	81	"	"	"	4	"
7	0	4		South	E.S.E.	1		1 "	30.16	81	80	78	81	"	"	"	5	"
8	0	5		"	"	1		1 "	30.18	81	80	78	81	b			0	"
9	0	3		S E E	East	1	20°		30.20	81	80	77	81	b c	Cirro Cu	"	1	"
10	0	0			Calm	0			30.20	81	79	76	81	"	"	"	1	"
11	0	8		S E E	E by S	1	20°		30.20	81	78	76	81	"	"	"	1	"
Mid.	1	7		S E E	"	3	20°		30.20	81	78	76	81	"	"	"	1	"

4-95

under the command of Commander R. D. Davenport, U. S. Navy,

Wednesday March 20, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.- Generally cloudy and threatening. Calms to light airs from E.N.E. On starboard tack under forecastle and foreand aft sail except mainto'gmast staysail and flying jib full and by making good W.z W. (S.C.) Barometer fell slightly. Ship steady. Hove to at 8 P.M. to 8 A.M.-

R. D. Barron Lieut U. S. N.

Fair and very pleasant weather. Gentle to moderate breeze from E by N backing to E.N.E. Barometer rising. At 11.30 took in foresail, main trysail and spanker and set fore and main topsails. Mend of watch ship under jib, foretopmast staysail, and foretopsail, by the wind on starboard tack with Dominica on Starboard bow and with Martinique on starboard beam and quarter. On course N.W. N by standard compass. Scrubbed hammocks. Ship moved Lieut U. S. N. Lieut U. S. N. and D. Downing, Landsmen on prisoners at large.

Geo. N. Hayward Lieut U. S. N.

8 P.M. to Mend Sec.- Fair and Pleasant. Moderate breeze from East to E by S. Went to quarters at 9.30 had routine drills 1st and 2nd periods. At 10.35 went to quarters and starboard watch turned in clean hammocks. Full and by on starboard tack under jib, foretopmast staysail and fore and main topsails. At 11.45 set forestail. At 11.15 set trysail. Punishments were awarded by Comdg officer as follows: W. Blakely Appr 3 C. and A. Lucas, Appr 3 C. inattentive at drill, 6 hrs extra duty, H.S. Steele, Appr 3 C. Having clothing of another person in his person, 10 hrs extra duty, D.J. Steele Appr 3 C. Lending his clothing, 10 hrs extra duty, H.S. Steele Appr 3 C. and D.J. Steele Appr 3 C. Having Clothes about decks and failing to remove them when ordered by C.M.O. 2 hrs extra duty, J.L. Sligh Appr 3 C. smoking, 2 hrs extra duty. F. Wright Appr 3 C. F. Spencer Appr 3 C. and L.G. Baker Loading government property, 10 hrs extra duty. M. Cleman, Appr 3 C. using profanity while talking to Divisional Officer, 10 hrs extra duty. At end of watch ship heading S 20° E. Eps. C.

E. L. Beach Lieut U. S. N.

Meridian to 4 P.M.- Fair and hot. Calms to light Ely breeze last three hours and a moderate E.S.E. breeze first hour. Barometer falling. Ship steady. At 1.00 set fore gallant sails, royals and jib. At 2.00 took in trysail At 3.00 hauled up foresail. Held routine drills from 1.30 to 2.15. From 2.15 to 3.00 had instructions in log lines, and from 3.00 to 4.00 gallery rifle practice with 5th division. Hauled in patent log at 2.00 reading 40 M. Island of Dominica to East'd about 10 miles distant. From 1.00 to 3.45 ship had no steerage way, remainder of watch free and by on starboard tack making from N 30° E to N 10° E (P.C.)

Ralph Earle, Ensign U. S. N.

4 P.M. to 8 P.M.

Fair and pleasant. Light and to gentle breeze from East to E by N. Smooth sea. Barometer steady. First part of watch under all plain sail to royals except forecastle, mainsail and spanker. By the wind on starboard tack making N 10 E. At 4.30 mustered at quarters and served out clean hammocks to port watch. Observed at sail drill 2 boys missed sail and made sail to royals. Then took in all sail and furled all save sail except forecastle. Set jib forsail, mainsail and spanker. At end of watch on port tack by the wind making S 35° E. Island of Dominica on the E'd, distant about 9 miles.

F. H. Brown Lieut U. S. N.

8 P.M. to 12 M.- Fair and pleasant. Lights airs from E.S.E. Full and by on port tack making good South (P.C.) Barometer rising. Ship steady. Sea smooth. Ship [illegible] as in previous watches.

F. H. Brown Lieut U. S. N.

8 P.M. to Midnight:-

Fair and pleasant weather. Light airs from East to E by S. Calms and gentle breez from E by S. Barometer steady. Ship rolling moderately to a very light swell from East. Ship by the wind on port tack under the forecastle, jib, main trysail and spanker making the following courses by standard compass: S by E 1/2 E to E.S.E. 10 to 11 S.E. by S. and from W by N, S.E. by E. The south end of Dominica in sight about 8 miles [illegible]. Steamer bound north passed to leward, hull down.

Geo. N. Hayward Lieut U. S. N.

Examined and found to be correct.

F. F. Leiper Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making Passage from Pointe à Pitre Guadeloupe to St Thomas.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	1	6	42	Sby E.	E by S	5	2°	15°	30.18	80	78	76	80	hc	Scu.	SE.	4	S
2	1	5	43.7	Sby E ½ E	East	5	2°	15°	30.15	79	77	75	80	hc, c.	Cust	"	8	"
3	1	6	45.3	ESE.	E by N	5	4°	15°	30.14	79	76	74	80	"	"	"	6	"
4	1	6	46.9	"	"	5	4°	15°	30.14	79	76	74	80	"	"	"	4	"
5	1	6	48.5	S 33° E	E. N. E.	5	6°	15°	30.16	78	75	73	80	hc gf	Cust Cscd	East	7	"
6	1	5	50.0	"	"	4-5	5°	15°	30.18	78	76	73	80	hc.	Scu	"	6	"
7	1	5	51.5	S 22° E	E by N	4-5	5°	15°	30.19	79	78	74	80	hcgg.	Cust	NE.	7	"
8	1	4	52.9	S 24° E	"	4	5°	15°	30.22	80	79	75	80	hc	Cu	"	6	"
9	1	1	54.0	S 30° E	"	4	5°	22°	30.21	80	79	76	80	"	Acu	"	5	"
10	1	4	55.4	"	"	4	5°	20°	30.21	79	80	78	80	"	"	"	6	"
11	2	0	57.4	"	"	4	5°	20°	30.21	80	80	78	80	"	"	"	6	"
Noon.	2	2	59.6	S 34° E	"	4	5°	20°	30.19	80	80	79	80	"	"	"	2	"

Position at 8 A. M. { Latitude by D.R. 15° 1' 32" N Mag Tempt
Longitude by obs 61° 37' 25" W Stand Aft. 84-83 82-81

Position at noon: { Latitude by observation 14° 44' 00" N
Longitude by observation 61° 35' 1" W
Latitude by D. R. 14° 26' 0" N
Longitude by D. R. 61° 26' 0" W

Course made good since preceding noon: S 2° W.

Distance made good since preceding noon: 29.9 miles.

Distance by Log since preceding noon: 28.3 miles.

Current per hour: 0.6 miles, set S 37° W true.

Position at 8 P. M. { Latitude by D.R. 14° 30' 0" N
Longitude by obs 61° 32' 38" W

Variation of compass: 0° 25' Wly

Error of compass observed at 0.32 1° 0' Wly

Deviation of compass on S 52° E 0° 35' Wly

Water expended during the preceding 24 hours, 650 gallons.

Water ——~—— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 14 50 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 107 " 801 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	1	8	60.0	S 40° E	E. N. E.	4	3°	22°	30.18	80	81	79	80	hc	Scu	NE.	3	S
2	1	8	60.0	S 33° E	"	4	3°	18°	30.17	80	80	78	80	"	"	"	3	"
3	2	0	60.0	S 40° E	"	4	3°	18°	30.16	80	80	78	80	"	Acu	"	4	"
4	2	7	60.0	"	"	4	5°	18°	30.15	80	81	78	80	"	"	"	4	"
5	4	0	60.0	S 14° E	"	4	5°	25°	30.16	80	79	77	80	"	Scu	East	6	"
6	0	9	60.9	"	"	3	4°	35°	30.16	80	79	77	79	"	"	"	4	"
7	1	4	61.5	S 36° E	N.E. by E	4	4°	33°	30.17	80	79	77	79	"	"	"	3	"
8	1	9	62.3	"	E.	4	4°	22°	30.18	80	79	77	79	h	—	"	0	"
9	2	2	64.0	S 35° E	E by N	4	4°	25°	30.19	80	79	77	79	"	—	"	0	"
10	2	3	66.4	"	"	4	5°	25°	30.20	79	78	77	79	"	—	"	0	"
11	2	0	68.4	"	"	4	5°	25°	30.21	79	78	77	79	hc	Ci	"	1	"
Mid.	1	0	69.3	"	"	4	5°	25°	30.21	79	78	77	79	"	"	"	1	"

4—2.5

under the command of Commander R. D. Davenport, , U. S. Navy,

Thursday March 21 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM.- Fair and pleasant. Stiff breze from E by S to E by N. Ship close hauled on port tack, under jib, foresail, maintopsail and spanker. Making 9 kts from Ship Pt to E.S.E. Island of Martinique bearing E.S.E. E.L. Beach Lieut. U.S.N.

4 PM to 8 PM.- Cloudy and pleasant. Moderate to stiff E.N.E by E to E by N by breze. Barometer rising. Ship steady with heel to starboard of 5° to 6°. At 5:00 mustered and sent apprentices of watch over mast head. Scuttled hammocks. J.J. Downing and J.A. Knott, Landsmen were released from confinement at 5:00 by order of Captain, as prisoners at large. Under jib, foresail, trysail and spanker, full and by on port tack making from 8 to 9 kts E by S to S 22½° E (p.c.) Island of Martinique in sight to E.S.E'd Ralph Earle Ensign U.S.N.

8 PM to Meridian.- Fair and pleasant. Moderate breze from E by N. Barometer steady. Smooth sea. Under jib, foresail, main trysail and spanker. By the wind on port tack making 8 to 9 kts E to S 22½° E (p.c.) At 9:30 mustered and inspected at quarters. Gave divisions setting up exercise and drilled as per routine for first period on Monday. Second period Cutlass at routine drills. The Commanding Officer awarded the following punishments: W.L. Ernst, Off 3 C direct disobedience of orders, 2 hrs extra duty. F.E. Manning, F. Nelson, J. Murphy, C.H. Jones, W.J. Murphy and R. Tibbs, Offs 3 C, Reported five times for being dirty, 1 hr extra duty. Island of Martinique and Dominica in sight on port bow.

Midnight to 4 PM. F. H. Brown Lieut. U.S.N.

Fair and pleasant. Moderate breze from E.N.E. Barometer falling. Ship steady. At 1:30 went to 2nd dull period, sentry drills. From 2:15 to 3 the main topmen of the watch had special instructions in ship and log. Fair with division of the watch were exercised at gallery practice from 3 to 3:45. PM. Under jib, foresail, trysail and spanker, full and by on port tack, making 8 to 9 kts E and S 22½° E (p.c.) The Island of Martinique in sight on port bow. 4 to 6 PM.- F. H. Brown Lieut. U.S.N.

Fair and pleasant weather. Moderate breze from E.N.E. falling to gentle breze. Barometer steady. Ship nearly steady. At 4:30 mustered at quarters. At 5:00 called all hands and had sail drill till 5:10 making all plain sail, furling all sail, making all plain sail again and shortening sail. At end of watch under jib, foresail, maintopsail and spanker on port tack by the wind making course E by S ½ S by standard compass with Martinique in sight forward. At 5:30 put over patent log reading 0.0. Leon N. Hayes Lieut. U.S.N.

6 to 8 PM.- Fair and pleasant. Moderate breze from N.E. by E. Ship on port tack under jib, foresail, main trysail and spanker. Making (p.c.) 8 to 9 kts E. At 7 completed evening routine for the night. J.J. Downing 1 Cl and J.A. Knott 1 Cl At 7:15 started fires in forward fire and distilling. Martinique in sight forward of port beam. E.L. Beach Lieut. U.S.N.

8 PM to Midnight.- Clear and pleasant. Moderate E by N by breze. Barometer rising. Ship steady with heel of 5° to starboard. Raising steam in boilers B for distilling purposes. At 8:30 went to quarters, divisions ready as follows:- 1st, 3 2 min; 2nd, 4 min; 3rd, 4½; 4th, 4½; 1st, 5; 2nd, 7; and 3rd, 7½ min. Secured at 8:45 in 5 minutes. Under jib, foresail, trysail, and spanker, by the wind on port tack making 8 to 9 kts E (p.c.) log 6.3 at end of watch. Ralph Earle Ensign U.S.N.

Examined and found to be correct.

F. F. Lester Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steaming Ship Essex 3rd **Rate,**

Making Passage from Pinta de Peter Basseterre to St Thomas

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, as at sea.	State of the Sea
A. M.																		
1	1	9	70.3	S 34° E	S.S.E.	4	5°	33°	30.18	79	78	77	79	b.c	ci	E	1	S
2	2	1	71.1	"	"	4	5°	33°	30.16	79	78	77	79	"	ci Cu	"	2	"
3	2	3	72.9	S 28° E	"	4	5°	33°	30.14	79	78	77	79	"	"	"	3	"
4	1	7	74.6	"	"	4	5°	33°	30.14	79	78	77	79	b.c.sh.	"	"	2	"
5	2	1	76.7	S 32° E	"	4	6°	32°	30.16	79	77	76	79	"	Cu ci	NE	7	"
6	2	3	79.0	"	"	4	7°	18°	30.18	79	77	76	79	"	Cu ci	"	5	"
7	2	5	81.5	S 24° E	Eby N	4	7°	16°	30.20	79	79	77	79	b.c.	b Cu	"	4	"
8	2	5	84.0	"	"	4	7°	16°	30.19	79	79	77	79	b.c. sh	Cu sh	"	5	"
9	2	5	86.5	S 21° E	"	4	6°	11°	30.18	79	80	78	79	b.c	ci Cu Cu ci Cu	"	5	"
10	1	5	88.0	"	"	4	6°	22°	30.20	79	80	78	79	b.c.sh.	Cu sh ci	"	5	"
11	1	0	89.0	S 15° E	East	4	6°	22°	30.20	80	80	78	79	b.c	Cu Cu	"	4	"
Noon.	1	0	90.0	S 9° E	"	4	6°	28°	30.20	80	80	78	79	"	"	"	4	"

Position at 8 A. M.	Latitude by D.R.	14° 6' 24" N	Mary Island
	Longitude by obs.	61° 41' 28" W	Point Ayt
Position at noon:	Latitude by observation	13° 49' " N	83-82 81-79
	Longitude by observation	61° 44' 25" W	
	Latitude by D. R.	14° 0' 24" N	
	Longitude by D. R.	61° 18' 19" W.	
Course made good since preceding noon:		S 6° W	
Distance made good since preceding noon:		55.0 miles.	
Distance by Log since preceding noon:		47.4 miles.	
Current per hour:	1. miles, set S 63° W. true.		
Position at 8 P. M.	Latitude by D.R.	14° 2' 24" N	
	Longitude by obs.	61° 57' 45" W.	
Variation of compass:			
Error of compass observed at			
Deviation of compass on			
Water expended during the preceding 24 hours,		560 gallons.	
Water	during the preceding 24 hours,	740 "	
Water remaining on hand fit for use at noon,		1200 "	
Coal consumed during the preceding 24 hours,		1 tons, 840 lbs.	
Coal remaining on hand at noon,		105 " 1761 "	

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, as at sea.	State of the Sea
P. M. 12h0	1	3	91.3	S 9° E														
1	0	3	91.5	S ½ W	Eby N	4	6°	25°	30.17	80	80	78	79	b.c.	Cu ci	NE	2	S
2	1	5	92.0	S ½ W	"	4	6°	25°	30.13	80	81	79	79	"	"	"	5	"
3	1	8	91.8	"	"	4	6°	25°	30.12	81	82	80	79	"	"	"	8	"
4	1	4	92.3	"	"	4	6°	25°	30.11	81	82	80	79	"	"	"	7	"
5	0	8	93.1	Eby N	"	4	6°	25°	30.12	80	81	79	79	"	Cu ci	"	5	"
6	2	0	96.3	North	"	4	6°	8°	30.14	80	80	79	79	"	"	"	5	"
7	4	0	100.3	"	"	4	6°	8°	30.15	80	80	78	79	"	ci Cu	"	4	"
8	3	9	104.2	"	"	5	7°	8°	30.16	80	79	78	79	"	"	"	3	"
9	4	4	108.6	"	"	5-6	8°	5°	30.18	79	78	77	79	b.c. sq.	Cu sh	"	6	"
10	4	3	112.9	N ½ W.	E.N.E.	5-6	10°	5°	30.18	79	78	77	79	"	"	"	4	M
11	4	9	117.7	"	"	5-6	10°	5°	30.18	79	78	77	79	b.c.	Cu ci	"	2	"
Mid.	3	4	121.1	"	"	5-6	8°	6°	30.18	79	78	77	79	"	"	"	3	"

under the command of Commander R. D. Davenport, , U. S. Navy,

Friday March 22 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM:- Calm and pleasant except a passing shower at end of watch. Moderate breeze from E by S. Smooth sea. By the wind on port tack. Making course S 30° E to S 22° E. Under jib, forsail, main topsail and spanker. Steam in boiler B. Commenced distilling at 2:00

W. H. Brownson Lieut. U. S. N.

at 6 PM:- Pleasant with two light passing showers. Barometer rising. Ship steady. At 5:00 mustered and sent apprentices over main deck. J. J. Downing Ldr and J. J. Knott, Ldr, released from confinement at 5:15 P.M. Full and by on port tack under jib, forsail, topsail and spanker making course S 32° E to S 20° E (p.s.c.). Moderate breeze from E by S. Steaming with boiler B in use.

W. H. Brownson Lieut. U. S. N.

8 PM to Meridian:- Fair and warm weather. Moderate breeze from E by S. Steering to East. Barometer steady. Distilling with steam from B boiler. At 9:30 inspected at quarters. Evening at Fire Drill and at Shoring and taking stations for abandoning ship. During the second period the apprentices divisions were given seamanship instructions. Rousted up, overhauled, and the Navigator inspected both lower chains. The Captain awarded punishments as follows:- To W. V. Dickenson, Apprentice 2 Class, for loosing government property, 2 hours extra duty; W. Steiger, Apprentice 2 Class, for stowing clothing in netting, three extra duty; to S. C. Steele, Apprentice 2 Class, for insubordination, 2 days solitary confinement on bread and water; to A. C. Ennis, L. G. Baker, and T. Mackey, Apprentices 2 Class, for being five times reported, duty, 10 hours extra duty each. The following named were reported during drill; at fire drill, 5th Division, 1 minute; Powder Division, 2 minutes; Second Division, 2½ minutes; Navigator's Division, 2 minutes; First Division, 3 minutes, Third Division, 3 minutes, at Abandon Ship; First cutter and gig, 1 minute; Third Cutter, 1½ minutes, second cutter, and dinghy, 2 minutes; steam launch 2½ minutes; sailing launch 2½ minutes; fourth cutter, 2½ minutes and whaleboat 3 minutes. At 9:10 hoisted foretopmast staysail, and hauled down the jib for repairs. At end of watch ship by the wind on port tack under foretopmast staysail, forsail, main topsail and spanker; steering about S 2° to ~~S 10° E~~ and compass.

Ralph Earle Ensign U. S. N.

Meridian to 4 PM:-

Fair and pleasant. Moderate breeze from E by S. Ship on port tack until 12:10 when commenced to wear ship, Ship clear hauled on starboard tack at 12:40, under foretopmast staysail, forsail, main topsail, and spanker, Course made good after wearing N ½ W (p.s.c.) Went to quarters at 1:30 and exercised battery 3rd mustered at close of watch in patent and ship boys from 2 to 3 P.M. fired great guns, gallery rifle with 3rd Div. at close of watch. Distilling with boiler B.

E. L. Beach Lieut. U. S. N.

at 6 PM:- Fair and pleasant. Moderate E by N breeze. Barometer rising. Ship steady with bow of 6° to port. Distilling boiler B in use. At 4:30 mustered at quarters. Hoisted sail drill until 5:10. Made sail furled sail, made sail again and then took single reef in topsails. A Norwegian barkentine bound west passed astern at 5:30. By the wind on starboard tack making 8 kts W to N (p.s.c.) at end of watch under single reefed topsails, forsail, jib, foretopmast staysail and spanker.

Ralph Earle, Ensign U. S. N.

6 to 8 PM:- Clear, and pleasant. Stiff breeze from E by S. Smooth sea. Barometer nearly steady. By the wind on the starboard tack making course North (p.s.c.). Under single reefed topsails, forsail, jib and foretopmast staysail, main topsail and spanker. Steam in boiler B. Distilling

J. H. Brownson Lieut. U. S. N.

8 PM to Midnight:- Generally clear and fine with light rain squall at 9 PM. Moderate to fresh breeze from E by S to E by E. Full and by on starboard tack under same sail as previous watch making ~~South~~ North by W ½ W (p.s.c.). Ship steady. Distilling with boiler B in use. Barometer steady.

W. H. Brownson Lieut. U. S. N.

Examined and found to be correct.

E. F. Lau[illegible]
Lieut. U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.															Cu			
1	3	8	24.1	N 10° W	E.N.E.	4	6°	10°	30.17	79	78	77	79	b.c.	Cu	Cu	3	8
2	4	2	29.1	"	"	3	5°	10°	30.16	79	78	77	79	"	"	"	3	4
3	4	3	33.4	N 5° W	E by N	5	7°	10°	30.16	79	78	77	79	"	"	Cu	4	"
4	4	8	38.2	"	"	5	7°	10°	30.15	79	78	77	79	"	"	"	3	"
5	5	1	43.3	N 11° W	E.N.E.	5	8°	6°	30.17	80	79	78	80	b.c.	Cu	Ns	2	"
6	4	7	48.0	"	"	5	9°	6°	30.18	80	79	78	80	"	"	"	4	"
7	4	2	52.2	North	E by N	5	9°	6°	30.17	80	80	78	80	b.c.	"	"	3	"
8	4	3	56.5	"	"	5	9°	6°	30.21	81	78	80	"	"	"	"	3	"
9	4	2	60.7	"	"	5	9°	8°	30.24	80	80	78	80	"	"	"	5	"
10	3	6	64.3	N 6° W	"	4	8°	8°	30.25	79	80	78	80	"	"	"	5	"
11	4	6	69.8	N 6° E	East	6	10°	8°	30.22	79	80	78	80	"	"	"	7	"
Noon.	3	9	73.7	N 11° E	"	6	10	8°	30	22	79	80	78	80	"	"	"	7	"

Position at 8 A. M. { Latitude by D.R. — 16° 32' 15" N. Mary Tempt
Longitude by obs — 62° 26' 45" W. Pitch Apt.

Position at noon: { Latitude by observation — 15° 11' 21" N. 82 81 80-78
Longitude by observation — 62° 39' 0" W.
Latitude by D. R. — 16° 9' 21" N.
Longitude by D. R. — 62° 41' 13" W.

Course made good since preceding noon: N 39° W.

Distance made good since preceding noon: 34. miles.

Distance by Log since preceding noon: 85.1 miles.

Current per hour: 4 miles, set N 85° W. true.

Position at 8 P. M. { Latitude by D.R. — 15° 33' 36" N.
Longitude by obs — 62° 37' 27" W.

Variation of compass: 0° 10' 0 Wly

Error of compass observed at 7:56 P.M. — 0° 16' E.

Deviation of compass on North. — 0° 26' E.

Water expended during the preceding 24 hours, 66 gallons.

Water Distilling during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at noon, 1950 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 103 " 2081 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	2	9	76.6	N 11° E	East	4	10°	10°	30.18	79	81	79	80	b.c.	Cu	Cu	5	8
2	2	2	78.8	North	E by N.	3	10°	10°	30.16	79	82	79	80	"	"	"	3	"
3	1	3	79.4	N 15° W.	N.E by E.	2	5°	15°	30.15	79	82	79	80	"	"	"	3	"
4	1	4	79.8	"	"	2	5°	15°	30.13	79	82	79	80	"	"	"	2	"
5	2	3	82.1	"	"	3	10°	5°	30.14	80	82	80	80	"	"	"	8	"
6	4	4	86.5	N 11° W.	E.N.E.	4	10°	1°	30.14	80	81	79	80	"	"	"	4	"
7	4	7	91.2	N 6° W	E by N.	5	8°	1°	30.16	80	79	78	80	"	Cu	"	2	"
8	4	3	95.5	N 3° E	East	5	8°	10°	30.15	80	79	78	80	"	"	"	2	"
9	4	2	99.7	N 8° E	"	5	8°	10°	30.13	80	79	78	80	"	Cu	"	2	"
10	3	8	3.5	N 6° E	"	4	8°	10°	30.18	80	79	78	80	"	"	"	1	"
11	3	0	6.5	N 15° W	E by N.	4	6°	10°	30.15	80	79	78	80	"	"	"	2	"
Mid.	3	5	10.0	N 6° W	"	4	6°	10	30	18	80	79	78	80	"	"	"	1	"

under the command of Commander C C Davenport, , U. S. Navy,

Saturday March 23 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Fair and pleasant weather cool for these latitudes. Moderate breezes from E to E by S and increasing to stiff breeze. Barometer normal. Ship by the wind on the starboard tack under all plain sail to topsails single reefed, steering N° W at end of watch. Distilling with steam from B. boiler.

Geo. N. Hayward Lieut U. S. N.

Fair and pleasant. Stiff breeze from E by S to E by S. Ship on starboard tack under plain sail to single reefed topsails. Distilling with boiler B. Steering N at end of watch. Took in main topsail at 4.30. [illegible] Cunningham & J. Reidel Sea. returned.

E. V. Beach Lieut U. S. N.

8 to Meridian. Cloudy and pleasant. Moderate to stiff breeze E by N to East by breezes. Ship steady with heel of 10° to Port. Distilling. Boiler B in use. General cleaning day. Had inspection of bags at 9.00. Ship under single reefed topsails, jib, fore topmast staysail, forsail and spanker, by the wind on starboard tack making from N 77 W to N 82 W [p.s.c.] Meridian to 4 PM.

Ralph Earle, Ensign U. S. N.

Clear and pleasant. Light to moderate breeze from East to N E by E. Smooth sea. Barometer falling slowly. Under single reefed topsails, forsail, jib, fore topmast staysail and spanker. By the wind making course N W by C to N 85° W. The Commanding Officer awarded the following punishments:- A. L. Ennis, App. 3 C., stealing other boys clothing 5 days solitary confinement on bread and water. F. R. Smith, App. 3 C. Sleeping in another boys hammock, 3 hrs extra duty. Steam on boiler B. Distilling.

J. J. Hennessy Lieut U. S. N.

Fair and pleasant. Unable to moderate breeze from N E by E to E by S. Barometer steady. Full and by on starboard tack making good N 15° W [p.s.c.] and N 11° W [p.s.c.] under same sail as preceding watch. Boiler B in use for distilling purposes.

W. P. Potter Lieut U. S. N.

Fair and warm weather. Stiff breeze from E by S. hauling to East. Barometer normal. Distilling with B boiler. Ship on starboard tack by the wind under all plain sail to single reefed topsails but the main topsail and the mainsail, making a course about N 30 E by standard compass for the last hour. J. J. Benning and J. A. Knoth, Landsmen, were [illegible] for ~~getting~~ Lifting at 7.

Geo. N. Hayward Lieut U. S. N.

8 PM to Midnight.

Fair and pleasant. Moderate breeze from E to E by S. Distilling boiler B in use. Ship under jib, fore topmast staysail, forsail, single reefed fore and main topsails and spanker. Close hauled on starboard tack. Made good N 32° W [p.s.c.]

E. V. Beach Lieut U. S. N.

Distilling, boiler B in use.

Examined and found to be correct.

E. F. Lapsley
Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making Passage from Point a Pitre Guadeloupe to St Thomas.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as to sky.	State of the Sea.
A. M.																		
1	3	7	13.7	N.8° W.	Ebb N	3	6°	8°	30.16	79	78	75	80	b	C			W
2	3	8	17.5	"	"	4	6°	8°	30.14	79	77	75	80	"	"			"
3	3	9	21.4	"	"	4	6°	8°	30.12	79	77	75	80	"	"			"
4	4	1	26.5	N 6° W.	"	5	6°	8°	30.13	79	77	76	80	"	"			"
5	3	8	29.3	North	Ebb N	4	7°	12°	30.15	80	78	76	80	b.c.	C		1	8
6	4	1	33.4	"	"	4	7°	12°	30.17	80	78	76	80	"	Cu		2	"
7	4	1	37.5	"	"	4	7°	12°	30.19	80	80	76	80	"	"		2	"
8	3	5	41.0	"	"	4	7°	12°	30.21	80	80	77	80	"	"		2	"
9	3	1	44.1	N 5° E	"	4	7°	12°	30.22	80	80	78	80	"	Cu	E	4	"
10	3	4	45.0	"	"	4	7°	12°	30.22	80	80	78	84	"	"	"	7	"
11	2	5	50.9	"	"	3	6°	12°	30.22	80	80	79	80	"	"	"	4	"
Noon.	3	1	54.0	N 11° E.	East.	3	6°	12°	30.20	81	81	77	80	"	"	"	2	"

Position at 8 A. M.: Latitude by D.R. 16° 17' 42" N — Mag Tempt
Longitude by obs. 62° 50' 15" W — Fond Apt.

Position at noon: Latitude by observation 16° 39' 21" N
Longitude by observation 62° 51' 33" W
Latitude by D. R. 16° 29' 26" N
Longitude by D. R. 62° 48' 42" W

Course made good since preceding noon: N 14° W

Distance made good since preceding noon: 90.6 miles.

Distance by Log since preceding noon: 89.6 miles.

Current per hour: 0.43 miles, set N 16° W true.

Position at 8 P. M.: Latitude by D.R. 16° 33' 15" N
Longitude by obs. 62° 37' 51" W

Variation of compass: 4° Wly

Error of compass observed at 8.0A.M. 21' Ely.

Deviation of compass on N 2° E 1° 1' W

Water expended during the preceding 24 hours, 880 gallons.

Water Distilling during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 107 " 729 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as to sky.	State of the Sea.
P. M.	3	0																
1	1	5	57.0	N 8° E	Ebb N	3	5°	13°	30.20	80	81	79	80	b.c.	St. Cu	Ebb	2	8
2	1	3	58.0	N 11° E	East	3	4°	15°	30.19	80	81	79	79	"	"	East	2	"
3	1	5	58.4	N 5° E	"	2	2°	15°	30.18	80	81	79	79	"	"	"	2	"
4	1	6	59.3	"	"	2	2°	30°	30.18	80	81	79	79	"	"	"	2	"
5	1	7	60.2	N 3° E	"	3		30°	30.16	79	80	79	79	"	Cu	"	1	"
6	1	4	61.4	N 6° W	Ebb W	3		20°	30.13	79	80	79	79	"	"	"	1	"
7	1	1	62.2	N 3° W	"	3		12°	30.15	79	80	79	79	"	"	"	1	"
8	2	3	63.5	N 6° E	"	3		12°	30.18	79	80	79	79	"	"	"	2	"
9	2	8	65.8	North	"	3	5°	12°	30.23	80	79	78	79	"	Cu	"	3	"
10	2	2	68.6	"	"	4	5°	12°	30.23	79	78	77	79	"	"	"	4	"
11	3	4	71.8	S 10° E	"	4	5°	12°	30.23	79	78	77	79	Rain	A.S.	"	5	"
Mid.			73.2	"	"	4	5°	12°	30.21	79	77	77	79	rain	St. Cu	"	6	"

under the command of Commander R. D. Davenport, U. S. Navy,

Sunday March 21st, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM.- Clear and pleasant. Gentle to stiff Ely & Sly breeze. Ship pitching easily with heel of 6° to port. Distilling, boiler B in use. At steaming bayside bound south at 1 oc. Unrigged jib, foretopmast staysail, single reefed topsails, foresail and spankers, by the wind on starboard tack making N 8° W by N 16° W [p.s.c.] log 25.5 at end of watch. Ralph Earle, Ensign U. S. N.

4 to 8 PM.- Clear and pleasant. Moderate breeze from Ely & S smooth sea. Barometer rising. Under single reefed topsails, foresail, jib, foretopmast staysail and spankers. By the wind on the starboard tack making course North (p.s.c.). At 5.30 stopped distilling, tanks being full. At end of watch fires dying out in boiler B. Commenced to house smoke pipe. At day light a three masted schooner in sight one point forward of starboard beam and land three points forward of starboard beam. At 6 [illegible] from Montserrat Is. and Johnson's Is. in sight ahead. F. H. Brown Lieut U. S. N.

8 PM to Meridian.- Clear and warm. Moderate to gentle breeze from Ely & E. Smooth sea. Barometer steady. At 8.30 sighted land ahead. At 9 made out land on starboard beam to be Is of Montserratte that on starboard bow to be Nevis and that ahead to be St Christopher. At 9.30 went to quarters. The Comdg Officer inspected the crew and ships. Held divine services from 10.30 AM to 11.30 AM. Full and by on starboard tack under jib, foretopmast staysail, foresail single reefed topsails and spankers making good N 6° E [p.s.c.] and at 11 6° [p.s.c.] Set back clock 2 minutes. Hoisted Ensign at Meridian to 4 PM. F. H. Brown Lieut U. S. N.

Fair and warm weather. Gentle breeze from Ely S backing to East and during third hour only falling to light airs. Barometer normal. At end of watch shortened sail under single reefed topsails, except the mainsail and the main topsail, by the wind on the starboard tack and steering about N 5° E by standard compass. At end of watch took following bearings by standard compass: Light house head, N 1/2 E; St Kitts, N 14° E; Nevis, N 45° E; and Montserrat [illegible] N 85° E. Lights and Eustatius good & they are also in sight on port bow. Geo. N. Hayward Lieut U. S. N.

8 to 12 M. Fair and pleasant. Gentle breeze from E to E by S. Full and by on starboard tack, under plain sail to single reefed topsails except mainsail. Steering about North [p.s.c.]. Went to quarters at 11.30. E. A. Beach Lieut U. S. N.

4 to 8 PM.- Clear and pleasant. Gentle E by N'ly breeze. Barometer steady. Moonlight. Ship steady. At 7.00 placed [illegible] Downing, and [illegible] Smooth Landsmen, on single turns for safe keeping by order of the Captain. Under sail as on previous watch, by the wind on the starboard tack making N 30° W to N 6° [p.s.c.] Log 63.5 at end of watch. Ralph Earle, Ensign U. S. N.

8 PM to Midnight:- Clear and pleasant except a passing shower last hour. Gentle to moderate breeze from E by S. Smooth sea. Barometer nearly steady. Under jib, foretopmast staysail, foresail, single reefed topsails, main topsail and spankers. By the wind on the starboard tack first half of watch making course North. At 10.00 wore ship. Latter half of watch on port tack, by the wind making course S. & E. F. H. Brown Lieut U. S. N.

Examined and found to be correct.

F. F. Leigh
Lieut U. S. N. Navigator.

4—216

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from Pinta a Tete to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount. Average.	State of the Sea.
A. M.							° ′											
1	3	4	78.6	S 5° E	E by N	4	5° –	12°	30.19	79	78	77	79	b.c.	Cu	E	2	8
2	3	8	82.4	"	"	4	5° –	12°	30.17	79	78	77	79	"	"	"	1	"
3	3	6	86.0	"	"	4	5° –	12°	30.15	79	78	77	79	"	"	"	3	"
4	3	4	89.4	"	"	4	5° –	12°	30.14	79	78	77	79	"	"	"	4	"
5	3	2	92.6	S 12° E	East	4	5° –	12°	30.16	80	77	76	80	b.cm	Cu Cu	East	3	"
6	3	0	95.6	"	"	4	5° –	12°	30.18	80	78	76	80	"	"	"	3	"
7	3	1	98.7	"	"	4	5° –	12°	30.20	80	80	78	80	"	"	"	3	"
8	3	1	101.8	"	"	4	5° –	12°	30.21	80	81	79	80	"	"	"	3	"
9	3	2	5.0	S 6° E	"	4	5° –	12°	30.21	80	81	80	80	b.c.	Cu Cu	"	3	"
10	3	1	8.1	"	"	4	5° –	12°	30.21	80	82	80	79	"	Cu Cu	"	2	"
11	3	3	11.4	"	"	4	5° –	12°	30.20	79	80	79	79	"	"	"	2	"
Noon.	1	8	13.2	"	"	3	5° –	12°	30.18	79	80	79	79	"	"	"	2	"

Position at 8 A. M. — Latitude by D.R. 16° 25' 9" N Mag. Sights
Longitude by obs. 62° 56' 8" W Obs. Alt.

Position at noon: — Latitude by observation 16° 19' 18" N 82-81
Longitude by observation 62° 86' 35" W 80-79
Latitude by D. R. 16° 12' 15" N
Longitude by D. R. 62° 5' 39" W.

Course made good since preceding noon: S 12° W.

Distance made good since preceding noon: 22.6 miles.

Distance by Log since preceding noon: 38.8 miles.

Current per hour: 0.2 miles, set N 18° W. true.

Position at 8 P. M. — Latitude by D.R. 16° 03' 48" N
Longitude by obs. 62 20 87' 18" W

Variation of compass: 4° 7' Wly

Error of compass observed at 7:53 A.M. 3° 28' "

Deviation of compass on S 2° E. 0° 42' "

Water expended during the preceding 24 hours, 85 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 800 lbs.

Coal remaining on hand at noon, 101 " 1961 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount. Average.	State of the Sea.
P. M.																		
1	1	0	14.2	S 11° E	East	3	3°	12°	30.15	79	81	80	79	b.c.	Fr Cu	E	2	8
2	0	6	14.2	S 18° E	E by N	2	3°	12°	30.15	80	83	84	79	"	"	"	1	"
3	1	1	14.2	S 30° E	"	2	3°	12°	30.13	80	83	81	79	"	"	"	1	"
4	1	4	14.2	"	"	2	3°	12°	30.12	80	83	81	79	"	"	"	1	"
5	2	2	16.6	S 9° E	East	2	3°	12°	30.14	80	81	79	79	"	"	"	2	"
6	2	2	18.6	S 24° E	E by N	2	3°	12°	30.16	80	80	79	79	"	"	"	4	"
7	1	7	20.3	S 27° E	E.N.E.	3	4°	12°	30.16	80	79	79	79	"	"	"	2	"
8	3	7	24.0	"	"	4	5°	12°	30.17	80	79	79	79	"	"	"	2	"
9	3	7	27.7	S 25° E	"	4	5°	12°	30.18	80	80	78	79	b.c.f.	Fr Cu		4	"
10	3	1	30.7	South	E by N	4	5°	12°	30.17	80	79	78	79	"	"		7	"
11	1	2	34.5	S 8° W	E.N.E	2	3°	12°	30.16	79	78	77	79	b.c.f.	"		8	"
Mid.	3	1	34.6	S 8° E	E by N	4	4°	12°	30.16	79	78	77	79	b.c.f.	"		8	"

under the command of Commander R. B. Davenport, U. S. Navy,

Monday March 25 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Fair and pleasant. Moderate breze from E by N. Ship steady. Barometer falling. Full and by on port tack making good S.S.E under jib, fore topsail, foresail, single reefed topsails, topsail and spanker. Lieut U.S.N.

8 A.M. to Meridian. Fine pleasant weather. Moderate breezes from East. Barometer normal. Ship steady with a heel of 5° to starboard. At 5.00 hauled up main topsail. Ship at end of watch under plain sail to single reefed topsails excepting the mainsail and the main topsail, by the wind on the port tack, steering about S. 12° E. by standard compass. Ship's colours in sight on port beam, and port quarter. J.J. Downing and J.A. Smith, [illegible] were sprayed at 9 as prisoners at large. Lieut U.S.N.

8 A.M. to Meridian. Fair and pleasant. Moderate breeze from East. Ship on port tack under plain sail to single reefed topsails except mainsail. Making [illegible] S.S.E, Went to quarters at 9.30. Had morning routine drill. Punishments as follows were awarded by Comdg Officer. J. Wakefield, W.C., continually late at quarters, 3rd class. Pvt. A. Reander, U.S.M. loafing on berth deck during his watch on deck, 3 hrs extra duty. J. Caughlan, Appr. 3 cl. not carrying his hammock and bedding, 1 hrs extra duty each. C.P. Nolte, Appr. 3 cl. exchanging clothing without authority, 2 hrs extra duty each. E.P. Maguire, Appr. 3 cl. stowing away during his watch on deck, 3 hrs extra duty. C.A. Jones, W.J. Summers, C.B. Rodgers, J.A. Steele, E.F. Maguire, F. Wright, Appr. 3 cls. reported for [illegible] for being dirty, 1 hr extra duty. A.L. Ennis, Appr. 3 cl. smoking, 2 hrs extra duty. Set deck clock ahead 6 minutes. The following islands in sight on port beam and quarter. Montserrat, Redonda, and St. Kitts. Ship on steady heel of 5° to starboard. C.L. Beach Lieut U.S.N.

Meridian to 8 P.M. Clear and pleasant. Came to Light Easterly & E by N. breeze. Barometer falling. Ship steady with heel of 5° to starboard. Set topsail at 1.10. Held routine 3rd period drills, sick muster had gunlay practice 2.00 to 3.30, when reefs becoming found, stopped. J.P. Pyatt, Cabin cook, for inefficiency in the performance of duty as cabin cook was directed by the Captain to steerage cook to date from March 1st 1901. At end of watch, Montserrat Bluff, Redonda and St. Kitts Islands E by S, by the wind under fore topmast staysail, jib, foresail, single reefed topsails, topsail and spanker, making S.30° E (p.c.) Ralph Earle, Ensign U.S.N.

8 P.M. to 8 P.M. Clear and pleasant. Light breeze from East & E by N. Smooth sea. Barometer rising slowly. Under jib, fore topmast staysail, single reefed topsails, foresail main topsail and spanker. By the wind on port tack making course S.W. by E. to S.W. by E. At 11.30 mustered at quarters, when expected at sail drill, turned reefs out of topsails, made sail to royals, then took in and furled all sail then loosed sail and made sail to royals, then took in and furled all sail then loosed sail and made sail to royals; then took in and furled all sail then loosed sail and made sail to royals; then took in and furled all sail then loosed sail and made sail to royals;

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making Passage from Pointe a Pitre Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. at 6'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
A. M.																		
1	4	1	38.7	South	E by S	4-5	5	12°	30. 14	79	79	79	79	b.c.m.	Cu Cu	E	3	S
2	4	0	42.7	"	"	4-5	5	12°	30. 13	79	79	79	79	"	"	"	3	"
3	3	5	46.2	"	"	4	5	12°	30. 13	79	79	79	79	"	"	"	3	"
4	3	7	49.9	"	"	4	5	12°	30. 13	79	78	78	79	"	"	"	4	"
5	2	1	52.0	S 11° E	East	3	- 4	16°	30. 15	79	78	77	79	b.c	Cu Cu Cirr	Sept	3	"
6	1	0	54.1	"	"	2	- 3	16°	30. 17	80	79	77	79	"	Cu Cu	"	4	"
7	1	1	54.8	"	"	2	- 3	16°	30. 17	80	80	77	80	"	Cu	"	4	"
8	1	0	55.0	"	"	2	- 3	16°	30. 21	80	81	78	80	"	"	"	3	"
9	1	1	55.0	South	E by S	2	- 3	16°	30 19	80	82	81	80	"	"	"	7	"
10	0	8	55.0	S 8° E	E by S	2	- 3	16°	30. 19	80	82	81	80	"	As	"	7	"
11	0	7	55.0	S 11° E	"	2	- 3	16°	30. 19	80	82	81	80	"	"	"	7	"
Noon.	1	0	56.0	S 15° E	"	3	- 3	16°	30. 18	80	80	81	80	"	Ast	"	7	"

Position at 8 A. M. { Latitude by D.R. 16° 32' 6" N. Mag. Sumpt
Longitude by obs 62° 37' 45" W. Thod Aft
Position at noon: { Latitude by observation 15° 20' 45" N. 83-82 80-79
Longitude by observation 62° 57' 0" W.
Latitude by D. R. 15° 28' 49" N.
Longitude by D. R. 62° 53' 41" W.

Course made good since preceding noon: South

Distance made good since preceding noon: 56.5 miles.

Distance by Log since preceding noon: 49.1 miles.

Current per hour: 0.35 miles, set S 22° W. true.

Position at 8 P. M. { Latitude by D.R. 15° 23' 57" N.
Longitude by obs 62° 59' 42" W.

Variation of compass: 0° 40' Wly

Error of compass observed at 5.32 0° 29' "

Deviation of compass on N 7° W. 0° 11' 6/4 Wly

Water expended during the preceding 24 hours, 550 gallons.

Water ~~~ during the preceding 24 hours, ~~~ "

Water remaining on hand fit for use at noon, 4550 "

Coal consumed during the preceding 24 hours, tons, 340 lbs.

Coal remaining on hand at noon, 101 " 1461 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. at 6'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount, scale 0 to 8.	State of the Sea.
P. M.																		
1	0	6	56.3	N. E.	E by E	3-4	2		30. 13	80	77	77	80	b.c.q.p.	Cirr	E	8	S
2	0	0		Standing by	Calm	0			30. 11	80	77	77	80	b.c.m.	"	"	8	"
3	0	0		"	"	0			30. 10	80	79	77	80	b.c.p.	"	"	6	"
4	0	0		"	"	0			30. 08	80	79	77	80	b.c.	Cu	"	3	"
5	0	4		N 17° W.	E by E	1	1°	20°	30. 08	80	81	78	80	"	Cu Cu Cirr	"	2	"
6	0	7		N 5° W.	"	1	1°	20°	30. 09	80	80	77	80	"	"	"	2	"
7	0	7		North	E by N	1	1°	20°	30. 11	80	77	77	80	"	"	"	2	"
8	1	0		"	"	1	1°	20°	30. 11	80	77	77	80	"	"	"	1	"
9	1	3	56.4	N 3° E	"	2	2°	11°	30. 13	81	75	77	80	"	"	NE	3	"
10	1	6	56.4	North	"	2	4°	11°	30. 15	81	78	77	80	"	Cu Cu	"	4	"
11	1	6	57.5	N 17° W	E. N. E.	2	4°	11°	30. 15	81	78	77	80	"	Cu	"	8	"
Mid.	2	7	59.4	N 11° W.	"	3	4°	11°	30. 13	81	78	77	80	"	"	"	8	"

4-25

under the command of Commander R. B. Davenport, U. S. Navy,

Tuesday March 26 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.- Clear and fine. Moderate to stiff breze from E by S. Ship close hauled on port tack, under plain sail to single reefed topsails, sprit mainsail, and main topsail. Holding course south by standard compass at 8 A.M.-

E L Beach Lieut U S N

Cloudy to fair and pleasant. Gentle to light East ly breze. Barometer rising. Ship steady. At 5.00 took in foresail and topsail. At 5.00 released J J Downing and J A Smith 1cl, from confinement by order of the Captain. At 5.05 sent apprentices over mast head Scrubbed blankets. At end of watch under plain foretopmast staysail, spanker and single reefed topsails, by the wind port tack making S by E [¾ E] log 5 1/2

Ralph Earle Ensign U S N

8 P.M to Midnight- Fair and pleasant Light to gentle breze from E by S to E by N Smooth sea. Barometer steady. Under plain foretopmast staysail, single reefed topsails and spanker By the wind on port tack making course South to S by E. No land in sight. At 9.30 mustered and inspected at quarters and gave divisions setting up exercises and routine divisional drills. At 10.45 sounded battalion call, formed battalion and exercised in loading and firing, manual of arms, and dress parade. The Commanding Officer awarded the following punishments, J Watanabe W R Bed, neglect of duty, and skulking, reduced to 4th conduct class. W Eberlin, Appr 2 C, inattention to duty, noisy, profane and insubordination at drill, 6 hrs extra duty.

J P Olsen Lieut U S N

Midnight to 4 P.M.- Cloudy and raining to clearing at end of watch, Gentle breze first hour falling to calm. During the drill period all deficiencies had signal instructions. A board of which Lt E E Leiper U S N, as senior member audited the Pay masters accounts. Full and by on port tack until 12.05 when more ship's progress. Full and by on starboard tack making SE by E [8 p.c.] until 3 A.M. when it fell calm and ship had no steerage way. The fore castle men of the watch exercised from 2.15 to 3 A.M. at patent and chip log and sounding machine. The sick division of the watch had gallery practice from 3.00 to 3.45. Barometer falling. At end of watch on starboard tack under plain foretopmast staysail, single reefed topsails, spanker heading N 18° W [N by W ½ W p.c.] having no steerage way.

W D Porter Lieut U S N

4 to 8 A.M.- Fair and pleasant weather with a red sunset. Calms and light airs from E by E. Barometer rising. At 4.25 set the foresail. At 4.30 mustered at quarters. At 4.40 had fire drill, making all plain sail furling sail, making all plain sail and finally furling the light sails and taking one reef in the topsails. At end of watch ship with hardly steerage way, by the wind on the starboard tack, under all plain sail to single reefed topsails and heading about N by W by standard compass.

Geo N Hayes Lieut U S N

4 to 8 A.M.- Fair and pleasant. Light airs from E by N to E by S ship having barely steerageway, close hauled on starboard tack. Under plain sail to single reefed topsails, making about 1 [½ p.c.] At 7 fell in with and spoke the Dunning, Eds were confirmed on single reefs for engs. 8 A.M. to Midnight-

E L Beach Lieut U S N

Fair to cloudy and pleasant. Light to gentle E by N ly to E by S ly breze. Barometer rose a little. Ship steady. Moonlight. At 9.00 put over patent log Reading 5 to 1. At 9.30 set topsail. Ship under plain foretopmast staysail, foresail, single reefed topsails, topsail and spanker by the wind on starboard tack, making from N 5° E to N 17° E [¼ p.c.]

Ralph Earle, Ensign U S N

Examined and found to be correct.

E. J. Leiper,
Lieut U S N Navigator.

4—205

LOG of the UNITED STATES Steaming Ship Essex 3rd **Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, as to 10.	State of the Sea.
A. M.																		
1	2	6	62.	N 11° W	E.S.E.	3	8°	12°	30. 13	80	78	77	80	h.c.	Cu	St	8	S
2	3	8	65.5	"	"	4	8°	10°	30. 11	80	78	77	80	"	"	"	4	"
3	3	6	69.4	N 3° E	E by N	4	8°	10°	30.08	80	78	77	80	"	"	"	5	"
4	3	0	72.4	N 9° E	East	4	8°	10°	30.08	80	78	77	80	"	"	"	2	"
5	2	6	75.0	N 11° E	"	3	4°	12°	30. 11	80	78	77	80	h.c. m.b.	Cu Cist		3	"
6	2	3	77.9	"	"	3	3°	18°	30. 14	80	79	77	80	"	"	"	4	"
7	2	1	76.7	"	"	3	3°	18°	30. 17	80	80	78	80	h.c	Cu	"	3	"
8	3	0	79.1	N 19° E	E by S	3	4°	16°	30. 19	80	81	77	80	"	Cu Cu	"	3	"
9	3	1	82.5	N 22° E	"	4	5°	15°	30. 18	80	80	77	80	"	Cu Cu		3	"
10	3	3	86.1	N 15° E	East	4	5°	11°	30. 16	80	81	78	80	"	"	"	4	"
11	2	6	88.7	N 21° E	E by S	4	5°	11°	30. 16	80	80	78	80	"	"	"	4	"
Noon.	3	0	91.7	N 18° E.	"	4	5°	11°	30. 16	80	80	78	80	"	Cu Cu	"	4	"
																"		

Position at 8 A. M.: Latitude by DR 15° 33' 15" N Mizzy Temple
Longitude by obs 63° 0' 15" W Island Hill

Position at noon: Latitude by observation 16° 5' 22" N 83-82 80-79
Longitude by observation 62° 58' 09" W
Latitude by D. R. 16° 5' 39" N
Longitude by D. R. 63° 0' 24" W

Course made good since preceding noon: N 2° E

Distance made good since preceding noon: 44.6 miles.

Distance by Log since preceding noon: 48.0 miles.

Current per hour: 1 miles, set East true.

Position at 8 P. M.: Latitude by DR 16° 18' 38" N
Longitude by obs 62° 58' 24" W

Variation of compass: 0° 36' W

Error of compass observed at 5:33 P.M. 2° 31' E

Deviation of compass on N 11° E 2° 0' "

Water expended during the preceding 24 hours, 500 gallons.

Water ——— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 101 " 961 "

P. M.																		
1	2	7	94.4	N 27° E	E by S	3	8°	11°	30. 12	80	80	76	80	h.c.	Cu	E	3	S
2	2	7	96.6	"	"	2	5°	11°	30. 09	80	80	76	80	"	"	"	3	"
3	1	9	98.5	N 20° E	"	3	4°	11°	30. 07	80	80	76	80	"	Ci	"	2	"
4	1	8	100.3	N 27° E	"	3		11°	30. 07	80	80	76	80	"	"	"	1	"
5	1	2	01.5	"	E.S.E	3		11°	30. 08	80	80	77	80	"	Cu	"	2	"
6	1	2	2.7	N 10° E	"	2		11°	30. 08	80	80	77	80	"	Cu	"	2	"
7	0	7	2.5	N 30° E	"	1		12°	30. 09	81	79	76	80	"	"	"	1	"
8	0	7	2.4	N 36° E	"	1		12°	30. 10	81	79	76	80	"	"	"	1	"
9	0	8	2.1	N by E	SE by E	2			30. 11	80	79	76	80	"	Ci	"	1	"
10	0	9	2.11	N by E	E.S.E.	1-2			30. 12	80	79	76	80	"	S Cu	"	3	"
11	0	9	3.11	"	E by S	2			30. 12	80	79	76	80	"	"	"	4	"
Mid.	0	9	3.11	"	"	2			30. 10	80	79	76	80	"	"	"	2	"

4-2-0

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday March 27, 190 1.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Fair and pleasant. Gentle to moderate breze from E. & E. to East. Smooth sea. Barometer falling slowly. Under jib, foretopmast staysail, foresail, single reefed topsails, mainstaysail and spanker. At 2.00 hauled up foresail. By the wind on starboard tack making course N.W. N to N.W. & N. to keep on sight of the Squadron at 8 A.M.

F. H. Brownson Lieut. U. S. N.

Fair and pleasant. Gentle breze from E. & E. by S. Barometer rising. At 11.30 mustered and sent apprentices over masthead. Scrubbed bluejackets of the watch. Tack and by on starboard tack making good N.W. E. mag. N.N.E. E. (p.s.c.). Under jib, foretopmast staysail, single reefed foresail, topsail, and spanker until 4 A.M. when set the clew of foresail and flying jib. Set mainstaysail and N. Spanker Sds and N. Spanker Sds sheets from coming in at 8 A.M. at 8 A.M. N.W. & N. to Meridian.

F. H. Brownson Lieut. U. S. N.

Fine and pleasant weather. Moderate breze from E. by S. & S. from East. 6 mins. Under the command during last hours. Barometer steady. At 9.30 mustered at quarters and had physical drill. Had routine drills during the first and second dull periods. The Captain awarded punishments as follows:- W. B. Sharp, Apprentice 3 class, for making a false statement to the officer of the deck, 2 hours extra duty; to E.O. Richel, Apprentice 2 class, for creating a disturbance at quarters, 6 hours extra duty; to J. B. Davis, Apprentice 3 class, for late hammock, 2 hours extra duty; to F. B. Salomon, Apprentice 2 class, for shirking below and failing to scrub planks, 10 hours extra duty. At 9.50 hauled up the mainstaysail. At end of watch ships hove round on the starboard tack under the flying jib and all plain sail to single reefed topsails excepting the mainsail which was furled. At 10.30 Meridian is N. 72° W. Fine and pleasant. Gentle breze from E. by S. & S. under flying jib and plain sail to single reefed topsails. Hove hauled on starboard tack making about N. 35° E. (p.s.c.) Had routine drills from 11.20 to 2.15 then from 3.15 to 3.50 P.M. instructed foretopmen of watch in patent chafing gear and had gallery target practice from 3 to 3.30 P.M. with 3rd division of watch. At 12.45 sighted Montserrat three points off starboard bow. At 2.30 Nore right ahead Land at 2.45 Set Nore two points on port bow. All for Antigua distance 16 miles. At 3.30 Nore abeam. At 4.30 Montserrat three points on port bow. All for Antigua distance 16 miles. At 5.30 Nore right abeam. Land at 5.45 Set Nore two points on port bow. All for Antigua distance 16 miles. At 6.30 Nore abeam. At 7.30 Montserrat three points on port bow. All for Antigua distance 16 miles. At 8.30 Nore right abeam. Land at 8.45 Set Nore two points on port bow. All for Antigua distance 16 miles. At 9.30 Nore abeam. At 10.30 Montserrat three points on port bow. All for Antigua distance 16 miles. At 11.30 Nore right abeam. Land at 11.45 Set Nore two points on port bow. All for Antigua distance 16 miles. At 12.30 Nore abeam. At 1.30 Montserrat three points on port bow. All for Antigua distance 16 miles. At 2.30 Nore right abeam.

LOG of the UNITED STATES Steaming Ship Essex 3rd **Rate,**

Making Passage from Pointe a Pitre Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, as at 12.	State of the Sea.
A. M.																		
1	0	5		N 16° E	S.E.	1	0°	15°	30.12	81	78	75	80	hc	Cu Cs	SE	1	S
2	0	4		"	"	1	0°	15°	30.09	81	78	75	80	"	"	"	1	"
3	0	3		N 27° E	"	1	0°	15°	30.07	81	78	75	80	"	Cu	"	1	"
4	0	3		N 36° E	"	1	0°	15°	30.07	81	78	75	80	"	"	"	1	"
5	0	0		As Steerage way	Calm	0			30.12	81	80	77	80	hcmCu	Cu		2	"
6	0	0		"	"	0			30.15	82	81	77	80	"	Cu		2	"
7	0	0		"	"	0			30.16	82	82	78	80	"	Cu		3	"
8	0	0		"	"	0			30.14	82	83	80	80	"	Cu		3	"
9	0	0		"	"	0			30.14	82	84	80	80	hc	Cu		4	"
10	0	0		"	"	0			30.14	82	75	81	81	hcm	"		3	"
11	0	0		"	"	0			30.14	82	84	79	81	hc	"		2	"
Noon.	0	0		"	"	0			30.14	82	83	79	81	"	Cu Cs	E	3	"

Position at 8 A. M. { Latitude by DR. 16° 22' 28" N May Sumpt
Longitude by do 62° 57' 15" W Sun's Alt
16° 38' 50" N 82-83 79-78

Position at noon: { Latitude by observation
Longitude by observation 62° 58' 27" W
Latitude by D. R. 16° 22' 28" N
Longitude by D. R. 62° 53' 0" W

Course made good since preceding noon: N 44° E

Distance made good since preceding noon: 32.8 miles.

Distance by Log since preceding noon: 17.9 miles.

Current per hour: .7 miles, set S 5° W. true.

Position at 8 P. M. { Latitude by DR. 16° 38' 50" N
Longitude by do 62° 56' 45" W

Variation of compass: 0° 50' W'y

Error of compass observed at 1° 41' E'y

Deviation of compass on N 16° E 2° 31' "

Water expended during the preceding 24 hours, 550 gallons.

Water Distilling during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, 1 tons, 60 lbs.

Coal remaining on hand at noon, 100 " 901 "

P. M.																		
1	0	0	As Steerage way	Calm	0	0	0	30.10	82	83	79	81	hc	Cu Cs	E	4	S
2	0	0	"	"	0	0	0	30.09	82	83	79	81	"	"	"	4	"
3	0	0	"	"	0	0	0	30.08	82	83	79	81	"	"	"	4	"
4	0	0	"	"	0	0	0	30.08	82	83	79	81	"	"	"	4	"
5	0	0	"	"	0	0	0	30.09	82	83	79	81	"	"	"	4	"
6	0	0	East	"	0-1	0	0	30.10	82	83	79	81	"	"	"	3	"
7	0	0	N E by N	"	0	0	0	30.13	82	81	77	80	"	"		1	"
8	0	0	S E by S	Calm & Squalls	0-1	0	0	30.14	82	80	77	80	"	Cu		1	"
9		1	SE.	"	1	0	0	30.14	82	79	76	80	"	Cu	W	2	"
10		2	"	"	1	0	0	30.14	82	79	76	80	"	"	"	2	"
11		2	"	"	1	0	0	30.14	82	79	76	80	"	"	"	2	"
Mid.		2	"	"	1	0	0	30.14	82	79	76	80	"	"	"	2	"

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday, March 28, 190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and warm weather with bright moonlight until 1:30 when the moon set. Light airs from S.E. Barometer falling. Ship rolling and pitching slightly to a light swell from S.S.E. At 12:30 hoisted flying jib at 2:00 hauled up mainsail, and at 2:00 hauled up the spanker to keep ship off the wind. At 12:20 began distilling into the tanks with steam from C boiler. At end of watch ship under flying jib and all plain sail to single reefed topsails steering the mainsail and spanker with hardly steerage way and heading about S.E. by S. by Estimated [illegible] from last noon.

George N. Hayward
Lieut U.S.N.

Warm weather, calm. Ship dead in water. Under flying jib, and plain sail to single reefed topsails, except mainsail and spanker. At 4 A.M. sighted islands of St. Kitts bearing about S. by E. Nevis bearing about S.S.E. and Montserrat about E. by S. Distilling with boiler C.

E. L. Beach
Lieut. U.S.N.

8 A.M. to Meridian:- Fair and warm. Calm. Barometer steady. Ship steady. Distilling, boiler C in use. At 9:30 went to general quarters, divisions ready as follows: 1st, 2 guns; 2nd, 2 guns; 3rd, 2 guns; 4th, 2; 5th, 2; 6th, 2; 7th, 2; 8th, 2; 9th, 3; and 3rd, 3 guns. Exercised until 9:50 when secured in 20 minutes. Held routine and fire drills. The Captain assigned the following punishment, Marchese, A.B., continued hard toiling at drill, this afternoon during the Islands of Montserrat, Nevis and St. Kitts in sight all the watch and bearing at its end, the first N.W. by W. second S.W. by W. and the last S. by E. all [illegible]. Ship under single reefed topsails, foresail and after head sails, making no way, heading S. 20° E. [illegible]

Ralph Earle, Ensign U.S.N.

Meridian to 4 P.M.:- Fair and warm. Calm. Barometer falling slowly. Smooth sea. Steaming in boiler C. Distilling. At 9:30 exercised at routine drills. At 2:15 instructed boatswain's apprentice of watch in the use of patent log. At 3:00 the 1st division had gallery practice. Under flying jib, fore topmast staysail, foresail and single reefed topsails; not making steerage way. The Islands of Montserrat, Nevis and St. Kitts in sight bearing at end of watch, S. by E., W. by S. and S. by E. respectively. The following provisions were condemned by board of survey and on the recommendation of the board had by order of the Captain were thrown overboard, 70 lbs. dried apples, 2 lbs. canned tomatoes and 12 lbs. of canned corn.

F. H. Brownell
Lieut U.S.N.

4 to 6 P.M. Clear and warm. Barometer rose slightly. Ship under same sail as previous watch making no way, heading from S. by E. to E. by S. At 4:30 went to quarters for muster. Made sail and till until 5:45 P.M. Took in flying jib and foresail. Montserrat, Nevis and St. Kitts in sight at end of watch respectively, E. by S., S. by E. and S. by E. [illegible]. At 5:30 set foresail. Very light variable airs at end of watch. At end of watch headed East having no steerage way, under jib, fore topmast staysail, foresail and single reefed topsails. Steam in boiler C for distilling purposes.

R. Parker
Lieut U.S.N.

6 to 8 P.M.:-

Fair and warm weather with bright moonlight. Calms with catspaws last hour and half and from North. Barometer normal. Ship dead in the water with yards squared about 7:30 when began to [illegible] ship. At end of watch under all plain sail to single reefed topsails steering the mainsail and the spanker, with main yards braced [illegible] to the starboard tack, the head yards square and the ship heading S. by E. by standard compass. At 8:35 sighted [illegible] bearing N. by E. and [illegible] bearing about E.S.E. East [illegible] at 9:25 bearing about E.S.E. East [illegible] at end of watch bearing N. by E. and [illegible] bearing about E. by S. Ship under all plain sail to single reefed topsails heading S. by E. by standard compass making no way. At 8:00 sighted [illegible]

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1		7		SE	NE	1-	2-		30. 12	82	78	76	80	hc	Fa Cu	NE	4	S
2		8		"	"	2-	2-		30. 11	82	78	76	80	"	"	"	3	"
3		7		"	"	2-	2-		30. 10	82	78	76	80	"	"	"	3	"
4		2		"	"	1	0		30. 09	81	78	76	80	"	"	"	3	"
5	0	8		South	E by E & E	1		15°	30. 12	82	79	77	80	"	Cu		3	"
6	1	0		S by E	East	1		15°	30. [illegible]	82	80	77	80	"			3	"
7	1	1		"	"	1		15°	30. [illegible]	82	80	78	80	"	Cu Cu		3	"
8	1	0		"	"	1		15°	30. 15	82	81	78	80	"	Fr Cu		2	"
9		8		SSE	E by N	1		15°	30. 15	81	83	78	80	"	"		3	"
10	0	0		Warping Ship					30. 16	80	81	78	80	"	"		3	"
11		8		S by E	NE	1		15°	30. 15	80	82	78	80	"	"		4	"
Noon.		7		"	"	1		15°	30. 14	80	83	78	80	"	"		4	"

Position at 8 A. M. { Latitude by D.R. 16° 32' 44" N. Mary Ewing Shot Hill
Longitude by obs 62° 53' 15" W. 83-82 80-79

Position at noon: { Latitude by observation 16° 27' 43" N.
Longitude by observation 62° 52' 6" W.
Latitude by D. R. 16° 30' 44" N.
Longitude by D. R. 62° 52' 0" W.

Course made good since preceding noon: S 17° E

Distance made good since preceding noon: 11. 6 miles.

Distance by Log since preceding noon: 9. 0 miles.

Current per hour: 0.1 miles, set South true.

Position at 8 P. M. { Latitude by D.R. 16° 28' 37" N.
Longitude by obs 62° 56' 3" W.

Variation of compass: 0° 45' W.

Error of compass observed at S.E. 1° 19'

Deviation of compass on S 60° E 0° 34'

Water expended during the preceding 24 hours, 552 gallons.

Water Distilled during the preceding 24 hours, 1,300 "

Water remaining on hand fit for use at noon, 2,000 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 98 " 1751 "

P. M.																		
1	0	6		S 34° E	N E	1		25°	30. 12	80	84	79	80	hc	Fr Cu	E	3	S
2	0	2		"	N N E	1		25°	30. 10	80	83	79	80	"	"	"	4	"
3	0	4		S 45° E	"	1		25°	30. 08	81	83	79	80	"	"	"	3	"
4	0	6		"	"	1		25°	30. 08	81	83	78	80	"	"	"	4	"
5	0	2		SE by E	E N E	1			30. 08	81	83	78	80	"	"	"	2	"
6	0	3		"	N E	1			30. 09	81	82	78	80	"	"	"	2	"
7	0	2		S 68° E	N N E	0-1			30. 10	81	81	77	80	"	"	"	1	"
8	0	2		S 79° E	"	0-1			30. 12	81	80	77	80	"	"	"	2	"
9				Warping Ship	"	0-1			30. 14	81	80	76	80	"	Cu	"	2	"
10	1	0		S. 23° W.	N E by E	1		15°	30. 10	81	79	75	80	"	"	"	1	"
11	1	1		"	"	1		15°	30. 16	81	79	75	80	"	"	"	1	"
Mid.	1	2		"	"	1		15°	30. 16	81	79	75	80	"	"	"	1	"

4—2.5

under the command of Commander R. S. Davenport, U. S. Navy,

Friday March 29, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM: Fair and warm. Light airs and baires. Barometer falling. Ship steady. Moonlight until 2:02 when moon set. Distilling, boiler in use. Under jet, foretopmast staysail, and single reefed topsails on hours [illegible] [illegible] PM.

Ralph Earle, Ensign U. S. N.

Clear and pleasant. Light airs from E by E to East. Barometer rose slightly. Smooth sea. By the wind on port tack making course S by E under jib, foretopmast staysail, and single reefed topsails. At 5:00 set foresail, mainstaysail and spanker. Steam on boiler 6. Distilling. Saw daylight the islands of Montserrat, Nevis and St Kitts were in sight, and bore at 8 bells of watch, N 16° E, N 33° E and N 14° E respectively. Sent apprentices over mast head. At 5:00 P. Downing, Jos. and J. F. Smyth, 2 Cls, were released from confinement.

J. H. Brown, Lieut U. S. N.

4 to Meridian: Clear and warm. Light airs from E by E. Barometer steady. At 6:30 went to quarters for inspection and muster. At 7:15 had [illegible] at mast overhead. All divisions had seamanship instructions during 2nd drill period. The Commander Officer imposed the following punishments: W. Toney, A 3d, 5 hours extra duty, 1 day carrying ordnance of Petty Officer, 12 hours extra duty. S. Watanabe, W. R. Cook, Disobeying orders of the W. R. Steward and destroying food belonging to W. R. Mess, 6 nights K. P. and 1 3rd class, A 3d. Stealing other boys clothing, 12 hours extra duty, 1 3d Class, Hammock Guard (first) 2 hours extra duty. Full and by on port tack heading S 8 E [p s c] until 8 when began wearing ship. At 8:35 hauled aft head sheets heading N. N. W [p s c]. At 10 began wearing ship at 10:35 heading S E [7/8 C], hauled aft head sheets. Full and by on port tack making good S E by E [p s c] under same sail as preceding watch. Montserrat, Nevis and St Kitts in sight during watch. At end of watch bearings Sby E, S 1/4 E and S 3/4 E respectively. Sailed 6 in use for distilling purposes.

W. R. Brown, Lieut U. S. N.

Midnight to 4 AM: Fair and warm weather. Light airs from N E. Barometer normal. At 2:30 overhauled the battery. Overhauled and tested the magazine and shell room flood cocks. At 2:15 instructed the starboard boys of the watch on the use of the log, glass etc. The second division of the watch had sailing practice. At 12:50 took in the steam topsail and at 1:10 set it again. At end of watch ship by the wind on the port tack heading about S 8° E by standard compass under the main topsail and all plain sail to single reefed topsails except the mainsail. At end of watch bearings by standard compass as follows: Ship's head, S or E. St Kitts, N 15° E; Nevis, N 30° E; and Montserrat, N 72° E. At 2:15 sighted a two masted steamer hull down, bearing about Sby E and heading West. Distilling with steam from 6 boiler.

George N. Hayward, Lieut U. S. N.

4 to 8 AM: Warm and pleasant. Light airs from E by E to N E. Ship having barely steerageway, heading about S E. Clear hauled on port tack, under main topsail and plain sail to single reefed topsails except mainsail. Went to quarters at 5:30 and exercised at making and furling sail. Distilling with boiler 6. At daybreak lost sight of islands Montserrat, Nevis and St Kitts. At 6:30 sighted and reported by [illegible] [illegible] bearing N 72° E, N 39° E and N N E.

E. L. Brach, Lieut U. S. N.

8 to 12 M: Clear and fine. Light N by E airs to calms. Bright moonlight. Barometer rising. Distilling with 6 in use. The Chaplain delivered a lecture on West Indies to Apprentices. At 9:00 fired 21 knots and 21 coming 15 in single reefs, and 3 Watanabe, W. R. Cook in double reefs by order of Captain. Hoisted two stowaways leading by and in port tack about S 8° E [p s c] under jib, foretopmast staysail, single reefed topsails, foresail, spanker and mainsail at which port below had 18, took in staysail and spanker.

Ralph Earle, Ensign U. S. N.

12 M to Midnight: Clear and pleasant. Light airs from N E by E. Smooth sea. Barometer rose slightly. Wearing ship first hour, last three hours by the wind on the starboard tack making course N 38° W. Under jib, foretopmast staysail, foresail, single reefed topsails, mainstaysail and spanker. Steam on boiler 6. Distilling.

J. H. Brown, Lieut U. S. N.

Examined and found to be correct.

F. F. Lucas, Lieut U. S. N. Navigator.

4—705

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forth.	CLOUDS. Amount, sakes'ds.	State of the Sea.
A. M.																		
1	0	4		N.N.W.	NE by E	1		10°	30.	18	81	79	78	80	6	0	0	0	8
2	1	2		N.W.	NE by E	2		12°	30.	13	80	78	78	80	"	0	0	0	"
3	1	3		"	"	2		12°	30.	11	80	78	78	80	"	0	0	0	"
4	1	0		"	"	2		12°	30.	11	80	78	78	80	"	Cu	0	0	"
5	1	4		N 56° W	N.E.	2		20°	30.	14	80	79	76	80	h.c.	Cu Cu		1	"
6	1	5	02.3	"	"	2		20°	30.	14	80	79	77	80	"	"		2	"
7	1	2	03.5	"	"	2		20°	30.	15	80	80	79	80	"	"		2	"
8	1	2	04.5	N 40° W	"	2		20°	30.	17	80	82	78	80	"	"		2	"
9	1	4	05.9	NbyW½W	NE by E	2		10°	30.	17	81	82	79	80	"	"		1	"
10	1	4	06.1	NWby N.	"	2		10°	30.	19	81	82	79	80	"	"		1	"
11	1	1	06.	"	"	2		10°	30.	18	81	82	79	80	"	"		1	"
Noon.	1	5	08.3	"	"	2		10°	30.	17	81	82	79	80	"	"		1	"

Position at 8 A. M. { Latitude by DR. 16° 35' 43" N. — Mag. Sights
Longitude by obs. 63° 42' 33" W. — Fix 4 Aft

Position at noon: { Latitude by observation 16° 44' 0" N. — 84-83 — 81-79
Longitude by observation 63° 9' 27" W.
Latitude by D. R. 16° 46' 25" N.
Longitude by D. R. 63° 13' 0" W.

Course made good since preceding noon: N 46° W.

Distance made good since preceding noon: 23.3 miles.

Distance by Log since preceding noon: 21.9 miles.

Current per hour: 0.3 miles, set N 60° W true.

Position at 8 P. M. { Latitude by DR. 16° 39' 30" N.
Longitude by obs. 63° 30' 42" W.

Variation of compass: 0° 45' Sly

Error of compass observed at 5'14 PM. 3° 38' "

Deviation of compass on N. 35° W. 2° 53' "

Water expended during the preceding 24 hours, 330 gallons.

Water Distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 1 tons, 1133 lbs.

Coal remaining on hand at noon, 99 " 148 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forth.	CLOUDS. Amount, sakes'ds.	State of the Sea.
P. M.																		
1	1	4	8.8	NWby N.	NE by E	2		6°	30.	17	81	84	80	80	h.c.	Cu		1	8
2	1	9	9.7	"	"	2		6°	30.	16	80	80	80	80	"	"		2	"
3	2	1	11.7	N 46° W	NE by N	3	2°	6°	30.	15	80	80	80	80	"	Cu	Nb	3	"
4	2	8	14.5	N 40° W	"	3	2°	6°	30.	14	80	84	79	80	"	"	"	3	"
5	2	9	17.4	N 38° W	"	3		8°	30.	11	80	85	80	80	"	Cu	"	3	"
6	2	5	20.2	N 34° W	NE	3		8°	30.	17	80	81	78	80	"	"	"	4	"
7	4	6	24.8	"	"	4	10°	8°	30.	15	80	80	78	80	"	"	"	5	"
8	4	8	29.6	"	"	4	10°	8°	30.	15	80	79	77	80	"	"	"	4	"
9	4	0	33.6	NWby N	NE by E	4	14°	10°	30.	19	80	79	77	80	"	Cu Cu	Cbs	4	6
10	3	9	37.5	"	"	4	14°	10°	30.	21	80	79	77	80	"	"	Cu	4	"
11	3	8	41.3	"	"	4	14°	10°	30.	21	80	79	77	80	h.c.	"	"	4	"
Mid.	3	1	44.5	"	"	4	14°	10°	30.	17	80	79	77	80	"	"	"	5	"

under the command of Commander R. S. Ravenport, U. S. Navy,

Saturday, March 30, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and fine. Bright moonlight until 2:10 A when moon set. Barometer falling. Very light airs to light breze from N.E. by E. to N.E. by E. Full and by on starboard tack making good N.N.W. ½ W. [p.s.c.] under jib, foretopmast staysail, forsail, and single reefed topsails. Hoisted [illegible] signal for distant ship.

J. H. Brown Asst Surgeon U.S.N.

4 to 8 A.M. Fair and pleasant weather, getting warmer as the sun rises. Light breze from N.E. Barometer normal. At 11:30 took in the main topsail. At 5:05 shook the reefs out of the topsails and set the flying jib and the topgallant sails and royals. Making total bedding. At daylight sighted the islands of St Kitts, Nevis and Montserrat, the former being [illegible] ahead. At end of watch ship by the wind on the starboard tack under all sail [illegible] Nevis Peak, St Kitts, N. 26° E. and Montserrat, S. 30° E. Variation 10° W. deviation 1° E.

George N. Hayward Asst Surgeon U.S.N.

8 to 12 A.M. Warm and pleasant. Light breezes from N.E. by N. Steering full and by, starboard tack. At 9 stood N.W. by W. ½ W. [p.s.c.] Ship under plain sail to royals except mainsail. Gaff housed on account of heavy roll. At noon, bearings [p.s.c.] Nevis N. 61° E., Montserrat S. 52° E., St Kitts N. 20° E.; Ship's head N. 35° E.

E. L. Beach Asst Surgeon U.S.N.

Meridian to 12 M. Clear and fine. Light to gentle N.E. by E. to N.E. by N. breezes. Barometer falling. Fires banked under boilers C. Set topsail at 7 A.M. At 12:15 last sight of Montserrat bearing S. 53° E. and at 3:30 of St Eustatius, S. 16° E. At end of watch, Nevis bore N. 67° E. and St Kitts, N. 10° E. Bearings by standard compass, ships head N. 60° W. Ship under all sail ran mainsail and maintopmast staysail on course N.W. by W. ½ W. [p.s.c.] mast of watch and full and by at other times N.W. [p.s.c.]

Ralph Earle Ensign U.S.N.

12 to 4 P.M. Clear and pleasant. Gentle breze from N.E. by E. to N.E. Barometer nearly steady. Smooth sea. Under all plain sail to royals except mainsail and mainstaysail. First hour by the wind making course N.N.W. ½ W. [p.s.c.] Last hour on course N. 30° W. Fires banked in boiler C. At 3:00 last sight of island of St Kitts bearing S. 18° E. and Nevis bearing N. 65° E. At 3:05 a water spout formed to the northward. At 3:30 mustered at quarters.

J. H. Brown Asst Surgeon U.S.N.

4 to 8 P.M. Fair and clear. Bright moonlight. Moderate N.E. breze. Barometer rose slightly. Course N. by W. ½ W. [p.s.c.] under jib, foretopmast staysail, forsail, topsails, royals and the gallant sails, spanker, and trysail until 6:35 when took in and furled royals. Fires banked in boiler C. At 7:00 sounded, and at 8 knocked off, continued for the night for safe keeping by order of the Captain. S. Watanabe, W. R. Cook, continued for the night to double reefs as per punishment.

J. H. Brown Asst Surgeon U.S.N.

8 P.M. to Midnight. A fine pleasant bright moonlight night with a heavy dew last two hours. Moderate breezes from N.E. by E. Ship pitching easily to a light choppy sea. At 8:15 furled the topgallantsails. Ship sailing about one point free on starboard tack under the maintopsail and all plain sail to topsails except the mainsail on the course N. by W. ½ W. by standard compass. Barometer [illegible] Fires banked in C boiler.

George N. Hayward Asst Surgeon U.S.N.

Examined and found to be correct.

E. F. Leiper Asst Surgeon U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from Pointe a Pitre, Guadeloupe to St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.															Cir			
1	8	5	48.9	N.W. by N.	NE by E	4	8°	11°	30.17	80	79	77	80	bc.	Cu Cu	NE	4	4
2	1	3	56.6	N 23° W	"	4	8°	11°	30.15	80	79	77	80	"	"	"	5	"
3	2	7	63.6	"	"	4	8°	11°	30.14	80	79	77	80	"	"	"	5	"
4	6	2	68.8	N 21° W	"	4	8°	11°	30.14	80	79	77	80	"	"	"	8	"
5	2	9	74.7	N 22° W	NE by E	4	8°	11°	30.16	80	78	76	80	bc. ms.	Cu St	East	8	"
6	3	1	82.8	"	"	4	9°	11°	30.18	80	78	76	80	"	"	"	7	"
7	2	7	88.5	"	"	4	9°	11°	30.18	80	78	76	80	bc.	"	"	6	"
8	2	9	94.4	"	"	4	9°	11°	30.19	80	79	77	80	"	"	"	4	"
9	2	1	99.0	N 9° W	E.N.E.	4	9°	12°	30.20	80	81	78	80	"	Cu	"	4	"
10	2	6	103.6	N 8° E	"	4	9°	12°	30.20	80	82	79	80	"	"	"	4	"
11	2	2	105.6	N 2° E	E by N	3	8°	12°	30.20	81	83	80	80	"	Cu Cu	"	4	"
Noon.	2	3	107.4	N 3° W	"	3	8°	12°	30.20	81	84	80	80	"	"	"	4	"

Position at 8 A. M. { Latitude by DR. 17° 28' 6" N. Mag Transit
Longitude by Ah 64° 0' 45" W. Obsd Alt 88 81 80 78

Position at noon: { Latitude by observation 17° 37' 3" N.
Longitude by observation 64° 2' 3" W.
Latitude by D. R. 17° 37' 22" N.
Longitude by D. R. 63° 36' 32" W.

Course made good since preceding noon: N 43° W

Distance made good since preceding noon: 72.6 miles.

Distance by Log since preceding noon: 70.2 miles.

Current per hour: 0.2 miles, set S 86° W. true.

Position at 8 P. M. { Latitude by DR 19° 0' 12" N.
Longitude by Ah 64° 20' 07" W.

Variation of compass: 1° 0' W.

Error of compass observed at 5.10 P.M. 3° 13' W.

Deviation of compass on N. 24° W 2° 13' W.

Water expended during the preceding 24 hours, 600 gallons.

Water ——— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1450 lbs.

Coal remaining on hand at noon, 96 " 938 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	2	3	79.7	N 15° W.	E.N.E.	2	6°	10°	30.16	81	82	80	80	bc	Cu	East	3	3
2	3	3	82.0	"	"	2-3	5°	10°	30.14	81	83	80	80	"	"	"	4	"
3	3	4	86.7	"	"	3	6°	12°	30.12	81	83	80	80	"	"	"	1	"
4	3	9	90.6	N 22° W	NE by E	3	5°	12°	30.12	80	82	80	80	"	"	"	6	"
5	4	5	94.1	N 22° W	"	3	3°	12°	30.13	79	81	80	80	bc ms	Cir Cu	"	3	"
6	2	6	98.7	N 8° W	"	3	3°	12°	30.14	79	79	78	80	"	"	"	3	"
7	3	3	102.0	N 0° W	"	3	3°	12°	30.16	79	79	77	80	"	"	"	3	"
8	3	1	105.2	N 6° W	"	3			30.17	81	79	77	80	"	"	"	3	"
9	2	3	107.7	N 15° W	E.N.E.	4			30.17	81	78	76	80	bc	"	"	5	"
10	1	3	109.0	"	East	3			30.18	81	78	76	80	"	"	"	2	"
11	1	3	110.3	"	"	3			30.18	81	78	76	80	"	"	"	2	"
Mid.	1	6	111.9	"	"	3			30.18	80	78	76	80	"	"	"	2	"

4-25

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday March 31, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.- Generally cloudy and pleasant. Bright moonlight. Moderate breeze from N.E. by E. Ship under steam & sail, and steaming 8 knots per hour. At 1:30 - changed course to full and by and making about N.N.W. pst log. 1916. Ship pitching easily. Crew employed as before. Mogey died at 3:25 A.M. to 8 A.M.:-

E. Brack. Lieut U. S. N.

Cloudy and pleasant. Moderate N.E. by E. to E. by E. breeze. Barometer rising. Ship steady with heel of 6° to port. Fired hauled in boiler C. At 5:50 hauled up foresail. Sitting it again at 7:15. At 6:00 took in topsail. Mustered and sent apprentices over masthead. By order of Captain released J. A. Scott, J. Downing, Ldsmn, and S. Watanabe, W.T. Cook from confinement at 5:20. End of watch by the wind on starboard tack making N. 25° W. [p.c.] log 6.0 under topsails foresail jib, fore topmast staysail and spanker.

Ralph Earle, Ensign U. S. N.

8 P.M. to Midnight:- Clear and pleasant. Course to moderate breeze from E.N.E. to E. by S. Smooth sea. Barometer steady. By the wind on starboard tack making course N. 9° W. to N. 8° E. Under whole topsails, foresail, jib, fore topmast staysail and spanker. At 9:00 set main trysail. At 11:30 set top gallant sails. Steam in boiler C. At 11:50 commenced distilling. Set and in night. At 12:30 mustered at quarters and the Captain inspected the men at quarters and the ship. At 1:30 held Divine service.

F. H. Brown Lieut U. S. N.

Midrain to 4 P.M.:- Fair and pleasant. Light to gentle breeze from E.N.E. to N.E. by E. Barometer falling. At 12:30 sighted land off port beam. Full and by on starboard tack under all plain sail to top gallant sails until 1 P.M. when set royals and flying jib. Making good course N. 10° W. and N. 20° W. [p.c.] At end of watch made out land to be Santa Cruz to bearing W. 3/4 N. Distilling with boiler C in use.

W. Brack Lieut U. S. N.

4 to 8 P.M.:- Fair and pleasant weather, a little hazy. Gentle breeze from E. by E. Barometer steady. At 4:30 mustered at quarters. At 5:20 furled the royals and stowed flying jet. At end of watch ship by the wind on the starboard tack under the main topsail and all plain sail to top gallant sails except the main sail, and steering about N.E. by N. by standard compass. At 4:40 sighted Virgin Gorda and Tortola, bearing respectively, N. 83° W. and N. 86° W. ship's head, N. 16° W. all by standard compass. At 5:35 bearings by standard compass: ship's head, N. 16° W. Virgin Gorda, N. 79° W. Tortola, N. 61° W. [illegible] Cruz, S. 52° E. Mount Eagle [illegible]

Coop N. Hayward Lieut U. S. N.

Distilling with steam from 6 boiler.

8 to 8 P.M.:- Fair and pleasant. Bright moonlight. Gentle breeze from N.E. by E. Ship full and by on starboard tack, under plain sail to top gallant sails, except main sail, main trysail also set making [illegible] N. 3 W. until 7 when took in and furled top gallant sails, shewed up foresail and hauled up spanker and trysail and changed course to N. 49° W. [p.c.] pst log reading 2. Distilling with boiler C out of following islands at dust. with bearings, W.[illegible] as follows: Virgin Gorda, N. 93 W. Anegada, S. 81° W. Tortola, N. 83° W. Ship's head N. 10° W. At 7 continued for the night in single reefs.

E. Brack. Lieut U. S. N.

and S. Watanabe, W.T. Cook, undesirable persons, for punishment ordered.

8 P.M. to Midnight:- Fair and pleasant. Moderate to gentle E. by E. to E. by S. breeze. Barometer rising. Distilling, boats, Cruise. At 8:05 clewed down topsails and hauled out reef tackles. At 8:30, log 6.1 changed course to N. 78° W. [p.c.]. Took in fore topmast staysail at 8:30. At end of watch under scandalized topsails and jib, on course N. 75° W. [p.c.] log 11.9.

Ralph Earle, Ensign U. S. N.

Approved:

Richard Davenport
Commander, U. S. Navy.
Commanding.

Examined and found to be correct.

F. F. Leiper, Lt
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anch at St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.			11.6															
1	2	0	13.6	N 75° W	N E by E	4			30.17	80	79	76	79	h c m	Cu	C	7	8
2	1	6	15.2	"	East	4			30.14	80	78	76	79	"	"	"	4	"
3	1	2	16.4	"	"	3			30.13	80	78	76	79	"	"	"	4	"
4	1	1	17.2	"	"	3			30.13	80	78	76	79	"		"	3	"
5	1	9	17.9	"	E S E.	2			30.16	80	79	77	80	h c,	Ci Cu Cu Cu		3	"
6	1	8	19.7	"	"	2			30.17	80	79	77	80	"	"		3	"
7	1	8	20.4	"	"	2			30.18	80	80	77	80	h c m	"		4	"
8	1	8	22.2	N 12° E	"	2			30.18	80	80	77	80	"	"		4	"
9	2	7	23.0	N N° W.	"	2			30.18	80	83	80	80	"	"		4	"
10	6	0	31.4	Various	"	2			30.18	80	84	80	80	"	"		4	"
11	4	8	36.5	"	"	2			30.18	80	83	80	80	"	"		3	"
Noon.	At Anchor			Ships Head South	S E	2			30.17	80	83	80	80	"	"		2	"

Position at 8 A. M.: Latitude by bearing 18° 4' 30" N — May Tempt Fort 88-91
Longitude by bearings 64° 57' 45" W — Apt 90-78

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 82.3 miles.

Distance by Log since preceding noon: 63.6 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 3 tons, 60 lbs.

Coal remaining on hand at noon, 93 " 875 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				South	South	1			30.14	82	91	86		h c	Cu	C	4	
2				"	"	1			30.14	81	86	85		"	"	"	3	
3				"	"	1			30.12	83	92	86		"	"	"	3	
4				"	"	1			30.11	83	89	85		"		"	2	
5	At Anchor			"	S by E	2			30.12	83	88	85		h c m	Cu Cu	S C	8	
6				East	S E	1			30.14	82	83	82		"	"	"	6	
7				"	Calm	0			30.16	84	83	82		"	Cu Cu		3	
8				"	"	0			30.17	84	82	81		"	Ci		1	
9				N E by E	"	0			30.18	81	79	79		h			0	
10				"	"	0			30.19	80	78	79		"			0	
11				"	"	0			30.19	80	78	78		h c,	Cu	S	1	
Mid.				"	"	0			30.18	80	78	78		"	"	"	1	

under the command of Commander R. L. Davenport, U. S. Navy,

Monday April 1, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and wateh 8 A.M. Clear and pleasant. Fleet to moderate breeze from N.E. by E. to East. Smooth sea. Barometer falling slowly. Course N. 75° W. Under jib and reefed topsails. Steam in boiler C, distilling. At 3:30 stopped distilling. At 7:00 extinguished fires in boilers.

8 to 8 P.M. Clear and pleasant. Light breezes from E. by E. Barometer rose slightly. On course N. 75° W. [par.] under jib and standing lightsail until 5:15 when set foretopsail. At 7:15 set all sail except mainmast and changed course to N. by E. [par.] At daylight sighted Santa Cruz Islands on port beam and St. Thomas and Tortola on starboard beam. At end of watch heading in for Frenchmans Bay. Steam in boiler C.

8 P.M. to Midnight. Fair and warm weather. Light breezes from E. by E. shifting to S.E. after entering the harbor. Barometer steady. At 8:30 called all hands and opened the gate, going ahead on the engines at 8:34 and standing in for an anchorage in Charlotte Amalie with the Light House on starboard beam. At 10:45 hauled in foretopsail sheet reading 3.5 with the Light House on starboard beam. At 10:50 came to the starboard anchor in 3½ fathoms and 90 feet bottom veering to 20 fathoms. Bearings at anchorage by standard compass: Lime head, N. 79° E. Papella Rocks Beacon, S. 10° E. West Cinquet of Buck Island, S. 10° W. The Dominican man of war Presidente is in the harbor and an officer from her paid the usual visit of courtesy. Two French mail steamers from the leeward entered. The Captain awarded punishments as follows: to J. B. Davis, Apprentice 3 class, for attempting to assault the master at arms with a belaying pin, 5 days solitary confinement on bread and water, and for suspension of all his clothing, which is extra duty. C. Hart, Quartermaster, 1 class, was released his term of confinement being furnished. J. J. Downey and J. K. Knott, Landsmen under sentence of Court martial were placed in double irons for safekeeping. An officer paid the usual visit of courtesy on the U. S. Consul resident.

At 11:45 fires were out in 3 boilers. At 11:50 began distilling with ~~steam from~~ C. Forty flips off 13 feet forward and 11 feet 6 inches aft. George N. Hayward Lieut U. S. N.

Meridian to 4 P.M. Fair and warm. Light airs from S. from 1:50 to 2:15, when at shifting to trade and fore sail. U. S. Consul at St. Thomas visited ship, as he left fired salute of 13 guns with U.S. flag at fore. Comdg. Officer paid official visit to Governor of St. Thomas. Turned out money to buy and draw leather for saluting charges. Made monthly test of life circuit and batteries found all in working order. Made monthly test of life boats. Comdg. Officer paid visit of courtesy to Dominican warship "Presidente" called officially. Distilling from boiler C. Comdg. Officer returned visit of Courtesy. E. L. Beach Lieut U.S.N.

4 to 8 P.M. Fair and warm weather. Light breeze from South, backing to S.E. falling to light airs and to calms. Barometer rising. At 5:30 mustered at quarters and dealt out clean hammocks. At 5:45 swayed down topgallant and royal yards and topgallantmast and unbent light sails. The Governor's aide returned the Captain's visit of ceremony. At 7:20 stopped distilling and fires are out in C boiler. C. Ryerley Apprentice 1 class and J. Mulcahy N.R. Cooks were ~~held in confinement~~ punished for drunkenness on liberty. George N. Hayward Lieut U. S. N.

Additional for 8 P.M. to Midnight. Fired a salute of 21 guns with Spanish ensign at main truck, and the salute was returned gun for gun by a shore battery. George N. Hayward, Lieut U. S. N.

8 P.M. to Midnight: Warm and pleasant. Calm. E. L. Beach Lieut U. S. N.

Examined and found to be correct.

F. F. Leiter Lieut U. S. N. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at St Thomas.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1	At	Anchor		Ely S.	Calm	0			30. 14	79	77	76		h.cum.	Ci		1	
2				S.E.	S.E.	1			30. 12	79	77	76½		"	Ci Cu		1	
3				"	"	1			30. 12	78	77	76		"	Ci		1	
4				S.S.E.	S.S.E.	1			30. 10	78	76	76		h.cum	None			
5				S.E. by E	Calm	0			30. 10	78	76	76		h	—			
6				E.S.E.	"	0			30. 10	79	77	76		h.c.	Cu		1	
7				"	"	0			30. 11	79	77	76		"	"		1	
8				E by S	"	0			30. 11	79	78	77		"	"		1	
9				Ely E	South	2			30. 14	81	80	79		h.cum	Cu		2	
10				"	"	2			30. 16	83	84	81		"	"		3	
11				"	"	2			30. 18	84	86	83		"	"		3	
Noon.				South	"	2			30. 20	80	88	85		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Slag Shoal
Longitude by ° ′ ″ Flat Rock

Position at noon: { Latitude by observation ° ′ ″ 82-80
Longitude by observation ° ′ ″ 79-78
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 880 gallons.

Water Distilling during the preceding 24 hours, 550 "

Water remaining on hand fit for use at noon, 2680 "

Coal consumed during the preceding 24 hours, tons, 1700 lbs.

Coal remaining on hand at noon, " 144 18 "

P. M.																		
1				Sly W	South	2			30. 16	82	91	86		cu	Cu Ac	Nwd	3	
2				"	"	2			30. 14	82	88	86		"	"	"	4	
3				"	"	2			30. 13	83	89	86		"	"	"	4	
4				S.S.W.	"	2			30. 12	83	88	88		"	"	"	3	
5				North	North	1			30. 11	82	84	82		"	"	Sc	1	
6				N by E	N.N.E.	1			30. 11	82	82	80		"	"	"	1	
7				N.N.E.	"	1			30. 11	81	80	80		"	"	"	1	
8				N by E	"	1			30. 11	82	80	79		"	"	"	1	
9				N.N.E.	"	2			30. 12	81	80	80		"	"	"	3	
10				"	"	2			30. 13	80	79	79		"	"	"	3	
11				"	N.E.	2			30. 13	80	78	78		"	"	"	2	
Mid.				"	"	2			30. 08	80	78	78		"	"	"	2	

under the command of Commander R. D. Evans, U. S. Navy,

Tuesday April 2, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Calm and light W. by S. buys. Barometer falling. Bright moonlight. Fires are out under boilers. At 2:50 A.M. Ralph Earle, Ensign U.S.N.

Fair and warm weather. Calms. Barometer steady. Bright moonlight. Started smoke pipe. Relieved J. Watanabe, H.R. Cook and E. Bachel, Ord. Sea Class at 8:00 sent up lee gallant mast and light yards. Fed in Ward Department 228 3/4 pounds of beef and 180 of vegetables. Lights as [illegible] Ensign N. Haywood Lieut U.S.N.

8 P.M. to Meridian.

Very warm. Light breeze from South. Sent to quarters at 9:55, three starboard boys and crew at drill as landing force. Three squads of Battalion in heavy marching order, inspected and had dress parade. The British steamer Ruffet, of London, left harbor at 10 M. The German steamer Victory of Hamburg, came into harbor at 11:17. The Captain paid visit of ceremony to Dominican war ship Presidente. At 11:55 went to quarters and turned in. Salaam, hammocks piped. Meridian to 4 P.M. E. L. Beach. Lieut U.S.N.

Fair and hot. Light South'ly breeze. Barometer falling. From 1:35 to 2:15 held routine 3d period drills. From 2:45 to 3:30 exercised boats under oars, conducting the quarterly examinations of apprentices. Liberty party of apprentices, not absent at 5:00 Ralph Earle, Ensign U.S.N.

At 8 P.M. Fair and warm. Light airs from South and East. Went to quarters at 8:30 sent down light yards at 8:40. Liberty party returned. Apprentice Barnes was tight. Byorder of Bonds Officer handcuffed him in double irons for safe keeping. American consul at St. Thomas called upon Yard Commandant. Visited by Lieut. Commander Watanabe, H.R. Cook, U.S.N. Apprentice Barnes awarded punishment and also [illegible] E. L. Beach. Lieut U.S.N. 8 P.M. to Midnight.

Fair and pleasant. Light S.E. to N.E'ly breeze. Bright moonlight. Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper, Navigator.

4—205

LOG of the UNITED STATES Steamer Ship Essex 3d. **Rate,**

At Anchor at St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning forms.	CLOUDS. Amount, each in 24.	State of the Sea.
A. M.																		
1				NE	North	2			30. 16	80	78	78		b c	Cu	NE	3	
2				Ely N.	E.N.E.	2			30. 14	80	78	78		"	"	1	5	
3				E.N.E.	"	1			30. 11	80	78	77		"	"	"	4	
4				NE.	"	1			30. 11	79	77	77		"	"	"	4	
5				E.N.E.	Calm	0			30. 11	79	76	76		"	"	"	4	
6				"	"	0			30. 11	79	76	76		"	"	"	6	
7				East	East	1			30. 11	79	77	77		"	"	"	5	
8				E.N.E.	"	2			30. 13	79	79	77		"	"	"	4	
9				E.S.E.	South	1			30. 15	80	81	78		"	"	"	4	
10				South	"	1			30. 17	80	82	80		"	"		5	
11				S by E	"	1			30. 18	80	84	82		"	"		5	
Noon.				S by W.	"	1			30. 18	80	85	82		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Tempt Boat Afft.
Longitude by ° ′ ″ 82-81 80-79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 92 " 918 "

P. M.																		
1				Ely E	South	2			30. 18	81	86	83		b.c.m.	a Cu a		4	
2				Ely N	"	2			30. 16	81	86	84		"	"		3	
3				South	"	2			30. 14	83	87	85		"	"		2	
4				Ely E	"	2			30. 12	83	87	86		"	"		2	
5				"	NE.	2			30. 12	81	84	84		"	"		2	
6				E.S.E.	"	2			30. 12	81	80	80		"	Ca		2	
7				NE by E	"	1			30. 12	80	79	79		"	"		1	
8				NE by N	"	1			30. 12	80	78	78		"	"		1	
9				NE	Calm	0			30. 14	82	78	77		"	Some			
10				"	"	0			30. 16	81	77	76		"	"			
11				NE by N	NE	1			30. 18	80	77	76		"	"			
Mid.				NE.	"	1			30. 11	80	76	76		"	"			

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday April 3, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 12 M to 4 PM:- Clear and pleasant. Bright moonlight. Light airs and light breze from North to E. N. E.

F. H. Brown, Lieut U. S. N.

From 4 to 8 PM:- Clear and pleasant. Calm, and light breeze from East sent boys over masthead. Relieved apprentice E. Reichel, and J. Melanahe, at 5:30. Water boat for engineer department alongside. Received fresh provisions in Pay Department as follows: 183 lbs fresh bread and 283 lbs fresh beef. Liberty party returned. English Collier "Grafwall" came in and anchored.

E. P. Leigh, Lieut U. S. N.

8 PM to Meridian:- Cloudy and warm. Light South'ly airs. Barometer rising. At 9:30 mustered and inspected at quarters, no absentees. Held routine 1st and 2nd period drills. Received from J. D. Rice in Cons & Repairs 130 lbs of shot, 30 gals of alcohol, and 3 gal of muriatic acid. German steamer Deutsers of Hamburg left harbor. Discharged ashes into a lighter. In Engineers Dept, received 9000 gallons of water in boilers for steaming purposes. The Captain assigned punishments as follows: W. H. Rush, Appr 3 C, splicing upon clean gear in dock, 6 hours extra duty. A. H. Schneider, Appr 3 C, sitting down while on lookout watch, 6 hrs extra duty; J. S. Fox, Appr 3 C. Clark, Appr 3 C. Steele, C. Kelly and J. B. Smith, Appr 3 C reported for tennis for being on duty last, 10 hrs extra duty each. F. Mackey, W. J. Turner, J. L. Steiger and J. Murphy, Appr 3 C came, 20 hrs extra duty. T. A. Loesch, and S. G. Steele, Appr 2 same, 30 hrs extra duty each. T. A. Loesch, Appr 3 C. unauthorized possession of clothing, 10 hrs extra duty. W. Sturm, Appr 3 C. shirking blow during fire watch on deck, 6 hrs extra duty. J. Engelberg, Appr 3 C, shirking 6 hrs extra duty. G. T. Salomon, Appr 3 C, shirking, 3 nights double watches, and for smoking 6 hrs extra duty. E. E. Landis, Appr 3 C. creating disturbance in ranks, 6 hrs extra duty. C. Schemer, Appr 3 C. continually laughing in ranks, 6 hrs extra duty. C. J. Hodson, Appr 3 C, neglect, 3 nights double watches. J. Kelly and D. F. Boyce, Appr 3 C., disorderly in ranks, 6 hrs extra duty. L. F. Wagner, Appr 3 C, continued and repeated disregard of orders of observant while in boat, 3 nights double watches. C. J. Barnes, Appr 3 C. returning from Liberty under the influence of liquor, 3 nights double watches. F. Bromberger, Ex., wilful neglect of duty, 3 nights in double watches. John Johnson, boilermaker, loud talking in engine room, 2 nights double watches. L. Tucker, Mess Att, neglect of duty, 24 hours. H. A. Stonebraker, Appr 3 C. smoking, 6 hrs extra duty and A. S. Fox, Appr 3 C. having cigarette in his possession, 6 hrs extra duty. Conducting the quarterly examinations of apprentices. 2 for torpedoman were reported missing. Unbent flying jib.

Ralph Earle, Ensign U. S. N.

Meridian to 8 PM:- Clear and pleasant. Light breeze from South. At 1:30 exercised at routine drills and at 2:45 exercised running boats crews. Rec'd in Dept Std. 300 gals Standard distillate, in Dept C. & R. 200 sheets emery cloth, 1 gro 1" brass screws, and 1 gro 3/4" brass screws. Dept S.C. 10 lbs graphite, Dept Equipt 20 gals coal tar. Sent one half the apprentices ashore on Liberty.

F. H. Brown, Lieut U. S. N.

8 to 8 PM:- Fair and pleasant. Light S.E'ly airs and breezes. Barometer rose slightly. Moon rose at 6:35. At 9:30 went to quarters and exercised at setting and securing. Liberty party of boys returned at 8:20. Boarding officer at 8:30 returned. Double watches for the night. F. Bromberger, Ex. [illegible] Johnson, Boilermaker, E. Reichel, Appr 3 C. in accordance with assigned punishments. A boat hook of first cutter was accidently broken by Clk Carlton, Appr 3 C. An oar of catamaran was accidently broken.

Ralph Earle, Ensign U. S. N.

8 PM to Midnight. Clear and pleasant. Calm and light airs from N. E. Bright moonlight.

F. H. Brown, Lieut U. S. N.

Examined and found correct.

E. P. Leigh, Navigator.

4-266

LOG of the UNITED STATES Training Ship Essex **2d Rate,**

At Anchor at St Thomas

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning forms.	CLOUDS. Amount, scale 0-8.	State of the Sea.
A. M.																		
1				N E by E	N E	1			30.11	78	95	95		bm	Ci		1	
2				"	"	1			30.10	78	95	95		"	"		1	
3				"	Calm	0			30.09	78	95	95		"	"		1	
4				N by E	North	1			30.09	79	95	95		"	"		1	
5				N E	"	1			30.09	78	95	95		bc	"		2	
6				"	East	1			30.09	78	95	95		"	"		2	
7				E by E	"	1			30.09	79	80	95		"	"		3	
8				S E by E	"	2			30.09	79	81	96		"	"		4	
9				S E	S E	3			30.14	79	81	96		"	Cu bu		4	
10				South	South	3			30.16	80	84	97		"	"		5	
11				S S E	"	3			30.16	81	86	99		"	"		4	
Noon.				"	"	4			30.14	80	86	99		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp't
Longitude by ° ′ ″ Feed Aft

Position at noon: { Latitude by observation ° ′ ″ 83-82 80-79
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 580 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1590 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 92 " 418 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning forms.	CLOUDS. Amount, scale 0-8.	State of the Sea.
P. M.																		
1				S by E	South	2			30.12	80	86	80		bc	Cu	E	4	
2				"	"	1			30.10	82	86	80		"	"	"	3	
3				"	"	1			30.09	82	90	82		"	"	"	2	
4				"	"	1			30.09	83	90	82		"	"	"	1	
5				South	"	1			30.10	83	88	80		bcm	"		4	
6				S E by S	S S E	2			30.11	83	81	76		"	"		2	
7				"	"	1			30.12	83	80	76		"	"		1	
8				S E	S E	1			30.12	83	79	76		"	"		2	
9				East	"	1			30.12	82	79	76		bc	"		2	
10				"	"	1			30.12	82	79	76		"	"		2	
11				"	"	1			30.12	82	79	76		"	"		3	
Mid.				"														

under the command of Commander R. B. Davenport, U. S. Navy,

Thursday April 7, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended AM: Clear and fine. Bright moonlight. Calm. Light S.E. Cty airs Barometer fell slightly.

W.H. Brown Lieut U.S.N.

4 to 8 A.M.- Fair and warm. Light southerly to East'ly airs and breeze. Barometer steady. At 5:30 mustered officers present three boys, matched. Received in Bay 2 Quarters of Beef 1/2 Bbls each of pork and 1/2 gallon. 1 Bbl Vinegar. 1 Bbl Molasses. 1 Bbl Beans. 1 Bbl Potatoes. 1 Bbl Onions. 1 Bbl Turnips. 1 Bbl Beets. 1 Bbl Carrots. 1 Bbl Parsnips. 1 Bbl Cabbages. 1 Bbl Apples. 1 Bbl Oranges. 1 Bbl Lemons. 1 Bbl Bananas. 1 Bbl Pineapples. 1 Bbl Grapefruit. 1 Bbl Watermelons. 1 Bbl Muskmelons. 1 Bbl Cantaloupes. 1 Bbl Honeydews. 1 Bbl Casabas. 1 Bbl Persian melons. 1 Bbl Crenshaws

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at St Thomas

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meeting Horiz.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1				Sby S	East	1			30.11	80	76	75		b w				
2				"	"	1			30.10	80	76	75		b c w	Cu		1	
3				Sby E	E by E	2			30.08	80	75	74		"	"		2	
4				SE by E	S.E.	2			30.06	80	75	74		b c	A Cu	St	4	
5				"	"	2			30.06	80	78	76		"	"	"	4	
6				"	"	3			30.08	80	79	76		"	"	"	5	
7				S.S.E	S.S.E.	3			30.10	80	79	76		"	"	"	6	
8				"	"	3			30.12	80	80	76		"	"	"	6	
9				S.E.	S.E.	2			30.14	84	85	80		b c m	Fr Cu	"	6	
10				"	"	2			30.16	84	85	82		"	"	"	4	
11				South	South	2			30.17	85	87	82		"	"	"	2	
Noon.				Sby W	"	2			30.17	88	90	84		"	"	"	2	

Position at 8 A. M. { Latitude by ° ′ ″ — Mag Sumpt
Longitude by ° ′ ″ — Field Off.

Position at noon: { Latitude by observation ° ′ ″ — 83-82
Longitude by observation ° ′ ″ — 80-79
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1050 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 91 " 2158 "

P. M.																		
1				South	South	6			30.12	83	92	88		b c	Cu Fr Cu	"	6	
2				S.S.W.	"	3			30.11	83	89	87		"	"	"	3	
3				S.W. by S	"	3			30.10	83	88	87		"	"	"	4	
4				"	"	3			30.09	83	88	86		"	"	"	4	
5				"	"	2			30.08	83	87	86		"	"	"	1	
6				Sby W	"	1			30.08	84	87	81		"	Cu	"	1	
7				S.S.W.	Calm	0			30.08	84	82	78		"	"	"	1	
8				S.S.O	"	0			30.08	83	81	77		"	"	"	1	
9				SE by E	"	0			30.12	83	80	77		"	"	"	2	
10				"	"	0			30.15	82	80	77		"	"	"	2	
11				East	"	0			30.15	81	80	77		"	"	"	2	
Mid.				Sby S	E.N.E.	0-1			30.15	81	80	76		"	"	"	2	

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Friday April 5, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.- Fair and calm weather with bright moonlight, and a heavy dew first three hours. Light airs from East, [illegible] and increasing to light breeze. Barometer falling.

George N. Hayward Lieut U.S.N.

4 to 8 AM.- Fair and Clear but Light to gentle breze from E.S.E. to E.S.E. At 5:00 released from confinement, T. Bromberger, Cox, Johnson, Bolenmaker, C.C. Reichel, F.F. Salomon, A. Gibbons, L.F. Wagner, C.J. Barnes, and F. Bloch, App. 3 C. Crossed topgallant and royal yards at 5:00. At 6:20 the British steamer "Eden" came into the harbor. Received in the Dept of Cuba 328 lbs ice each fresh meat and vegetable and 229 lbs fresh bread.

H.H. Bacon Lieut U.S.N.

8 AM to Meridian.

Clear and warm. Light S.E. to Sly breze. At 9:30 mustered at quarters. Had Fire Quarters at 9:45. Divisions report ready 1st, 2 mins; 3rd, 1st, and 2nd, 1 min; 3rd, 2 min. At 9:52 secured all divisions reporting secured in 1 3/4 min. At 10:15 called all boats for drill with boat tactics. Sailed boat recall at 11:15. C.R. Jones Yeo 3 C. confined in irons by sentence to await action of Condg Officer for being tight. The Condg Officer of Damen Military returned the official visit of the Captain. The U.S. Tug Potomac entered harbor at 9 AM from Cabana and anchored 300 yards to the northward of this vessel. A board official visit was made on the Potomac by Lt. C. St. Clair Wayne. The Condg Officer returned the visit.

H.H. Major Lieut U.S.N.

Meridian to 4 PM.- Fair and very warm weather. Gentle breezes from the Southward. Barometer normal. At 1:30 embarked the battery. At 3:00 sent out boats for exercise under oars. The Potomac sailed for Cabana at 3:00. At 3:35 the Potomac signalled, Interrogatory QL; which we answered, Affirmative. Received in the Department 1762 pounds of fresh vegetables, and in Construction 1 barrel slaked lime from the Danish schooner Vigilant went to sea.

George N. Hayward Lieut U.S.N.

4 to 8 PM.- Fair and hot. Gentle breze from E.S.E. to calm.- Barometer steady. At 4:30 mustered at quarters. At 5:35 sent down light yards and sent light sail. The following named men were confined in double irons for the night as by assigned punishment of the Commanding Officer viz.- T. Bromberger, Cox, C.C. Reichel, A.B., C. Barnes, A.B., F. Bloch, A.B., C.F. Reid, S.C. 4 C. went into the 4th cutter at the P.M. trip and when at the landing left the boat without permission.

H.H. Major Lieut U.S.N.

8 to 12 Midnight.- Fair and warm weather with bright moonlight. Calms and light airs from E.S.E. Barometer normal. A French mail steamer went to sea. C.F. Reid, Ships Corp, 4th Class, was brought on board by the local police at 10, the reward of ten dollars offered for his delivery was paid, and he was placed in double irons to await action for smuggling himself into a running boat, and going on shore without permission.

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. F. Looper Lieut U.S.N. Navigator.

4—216

LOG of the UNITED STATES *Training Ship Essex* 3rd. Rate,

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Bearing of.	Amount, as to sh.	State of the Sea.
A. M.																		
1				E.N.E.	E.N.E.	1			30.12	81	78	77		h.c.	cu	NE	2	
2				"	"	1			30.10	81	78	77		"	"	"	4	
3				"	"	1			30.09	80	78	76		"	"	"	1	
4				"	"	1			30.07	80	78	76		"	"	"	1	
5				"	"	1			30.07	80	78	76		"	"	"	3	
6				"	"	1			30.08	80	78	76		"	"	"	3	
7				"	"	1			30.10	80	80	77		"	"	"	4	
8				"	"	1			30.13	80	82	77		"	"	"	4	
9				Steady	E.N.E.	2			30.16	82	84	79		"	fair Cu	E.N.E.	2	
10				South	South	2			30.18	82	85	80		"	"	"	2	
11				"	"	2			30.18	81	86	80		"	"	"	1	
Noon.				"	"	2			30.18	81	87	81		"	"	"	1	

Position at 8 A. M.: Latitude by ° ' " *Mag Sumpf Port of N.*
Longitude by ° ' " 84-82 79-78

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by *18° 07' 30" N*
Longitude by *64° 27' 45" W.*

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *600* gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, *450* "

Coal consumed during the preceding 24 hours, *1* tons, *810* lbs.

Coal remaining on hand at noon, *70* " *1348* "

P. M.																		
1				South	South	2			30.17	83	89	81		h.c.m.	fair Cu		2	
2				"	"	2			30.17	84	90	83		"	"		2	
3	3	6	3.6	Variable	S.E.	2			30.14	84	88	83		"	"		2	
4	5	5	9.1	"	E.S.E.	3			30.12	84	84	78		"	cu		1	
5	5	7	9.8	S.S.E.	"	3			30.11	81	84	79		"	Cu Cu		8	8
6	6	3	41.6	"	"	3			30.10	80	80	77	80	"	"		2	
7	6	3	47.8	"	"	3			30.14	82	82	77	80	"	"		2	
8	6	1	53.9	"	"	3			30.16	82	81	77	80	"	"		1	
9	5	6	59.5	"	E by N	3			30.17	82	79	76	80	h.c.m.	Cu.c.			
10	5	5	65.0	"	"	3			30.17	82	78	76	80	h.c.m.	fair Cu	Cu	1	
11	5	5	70.5	"	"	3			30.19	82	79	76	80	"	"	"	3	
Mid.	5	5	76.0	"	"	3			30.21	80	80	76	81	h.c.	"	"	4	

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday April 6, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites at 4 A.M.- Warm and sultry. Clear. Bright moonlight. Calm and light air from S.W.E.

E. L. Beach Lieut U.S.N.

4 to 8 A.M.- Clear and pleasant. Light airs from S.W.E. Received in Provisions Stores fresh provisions as follows: 470 lbs fresh bread and 228½ lbs fresh meat and 228½ lbs fresh vegetables. The following named members of the crew were released from confinement at 5 A.M. according to punishments inflicted by the Comdg Officer: F. Brombegar, Cox., C. Riechel, A.S.C., F. Solomon A.S.C., A.J. Axtson A.S.C., L.P. Magnie A.S.C., C. Barnes, A.S.C., F. Bloch A.S.C. The Danish steamer Louisiana entered harbor and the U.S. Schooner Mary Teats got up anchor to leave harbor. At 5.30 mustered and sent apprentices over mastheads. Barometer rising.

8 A.M. to Meridian:-

M. B. Dixon Lieut U.S.N.

Fair and warm weather. Light breeze hauling from S.W.E. to South. Barometer normal. Cleaning ship. At 10.30 piped down and bedding and inspected it at quarters. Secured boats, brought the log alongside and made ready for sea. At 11.00 lighted fires in A.C. and B. boilers, and steam was formed in C. boiler at 11.00. One tooth being stopped J.B. Davis, Apprentice 3 class, is released from confinement and C. Nugent, Apprentice 3 class, is placed in solitary confinement on bread and water for five days by punishment previously assigned. The Captain awarded punishments as follows: to E. Kelly, Apprentice 3 class, for stealing, five days solitary confinement on bread and water; and for throwing his stocking overboard, five nights double irons; to W. Weckesser, Landsman, for being brought on board 2 hours overtime, with class two months; to W. Fitzgerald, Landsman, for being brought on board 2 hours overtime, third class; to E.P. Maguire, Apprentice 3 class, for shirking 2 hours extra duty; to W.S. Turner, Apprentice 3 class, for stealing 6 nights double irons; to C.R. Jones, Yeoman 3 class, for returning drunk from liberty, and unfit to do duty, third class; to W. Stolzy, Apprentice 3 class, for failing to salute an officer while boat keeper, four hours extra duty; to E.P. Maguire, Apprentice 3 class, for persistently shirking 3 days solitary confinement on bread and water. C.F. Reid, Ships Cook 2nd class, is to be kept in double irons to await trial by Summary Court Martial for leaving ship without leave. The Danish steamer Louisiana left the coal wharf and anchored north of the Brayfield. The French [illegible] entered and moored alongside the French mail coal wharf.

Geo. N. Hayward Lieut U.S.N.

8 to 12 M.:- Fair and warm. Light to gentle breeze from S. to S.S.E. Making preparations for getting underway. At 9 A.M. apprentices 3 cl. J.B. Davis and J.F. Solomon, ran away with dinghy. They were captured before reaching shore, and were brought on board, and by order of Comdg Officer were put in double irons to await trial by G.C.M. By order of Comdg Officer Jd Knotek & J.J. Downing Lds were released from confinement and made prisoners at large. At 2 P.M. called all hands up anchor, got up anchor and steamed out of harbor, under comm. of Captain. At 4 P.M. steering [illegible] S. to S.S.E. Frenchmans Cap was on boat beam at 5 P.M., distant 5 miles. Steaming with boilers at 10 atmospheres pressure, and distilling from tanks. Ships steering [illegible] off and on [illegible] as required.

E. L. Beach Lieut U.S.N.

12 to 4 P.M. Fair and pleasant. Gentle S.S.E. breeze. Barometer falling. Ship steady. Under steam boilers A and B, and distilling with C. At 1.05 log 9.0 changed course to S.70°.E. [illegible]. At 1.30 mustered at quarters. Land as follows in sight, all watch and bearing at 12 noon [illegible]. Ships head S.76°.E. Santa Cruz, S.21°.W. Virgin Gorda, S.41°.E. Tortola, S.16°.E. St. John, S.2°.E. St. Thomas S.15°.W. and Frenchmans Cap S.70°.W. Ship steaming 50. Av. rev. 37.3

Ralph Earle, Ensign U.S.N.

4 to 8 P.M. Clear and fine. Gentle breeze from E.S.E. Barometer rising. Ship steady. On course S.76°.E. [illegible] under steam on boilers A and B, distilling with C. When land faded from sight Santa Cruz bore S.21°.W. Virgin Gorda S.38°.E. Tortola S.16°.E. St. John S.2°.W. St. Thomas S.15°.W. Av. steam 48. Av. rev. 38. J.J. Downing Lds and J. Knotek Lds confined in double irons for the night.

W. Mara Lieut U.S.N.

8 P.M. to Midnight:-

A fine pleasant night with a bright moon, which rose at 9.30. Light breeze from E. to E.S.E. increasing to gentle breeze. Barometer rising. Steaming with A and B boilers on course S.76°.E. by standard compass. Distilled with [illegible] boilers. Steam pressure 160 lbs. Revolutions, 36.2

Geo. N. Hayward Lieut U.S.N.

Examined and found to be correct.

F. F. Luper Lieut U.S.N. Navigator.

4—265

LOG of the UNITED STATES *Training Ship Essex* 2d **Rate,**

Making Passage from St Thomas to San Juan.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Bearing thereof.	Amount, as usual.	State of the Sea.
A. M.																		
1	5	6	61.5	S 76° E	East	3			30.17	82	81	77	80	b.c.m.	Cu Cu	E	4	8
2	5	5	67.0	"	"	3			30.15	81	81	77	80	"	"	"	5	"
3	5	3	72.3	"	"	3			30.13	81	80	77	80	"	"	"	5	"
4	5	3	77.6	"	"	3			30.14	81	80	78	80	b.c.q.	St Cu	"	7	"
5	5	4	83.0	"	"	3			30.14	81	80	78	80	"	"	"	6	"
6	5	6	88.6	"	"	3			30.14	81	80	78	80	b.c.	Cu	"	6	"
7	5	2	93.8	"	"	3			30.15	81	82	79	80	"	"	"	5	"
8	5	3	99.1	"	"	3			30.15	81	82	79	80	"	"	"	3	"
9	3	3	104.3	S 76° E	S 6° by E	4			30.19	82	86	81	80	"	b Cu	"	4	"
10	3	4	7.6	S 21° E	"	4			30.18	82	86	81	80	"	"	"	3	"
11	5	5	15.1	"	"	4			30.20	82	86	81	80	"	"	"	7	"
Noon.	5	0	20.1	"	"	4			30.18	83	86	81	80	"	"	"	5	"

Position at 8 A. M. { Latitude by *Bearings* 17° 52' 30" N Mag Amp
Longitude by " 63° 29' 30" W Mag Ampl

Position at noon: { Latitude by observation *Bearings* 17° 39' 40" N 83-82 80-79
Longitude by observation " 63° 17' 30" W
Latitude by D. R. 17° 35' 45" N
Longitude by D. R. 63° 7' 30" W

Course made good ~~since preceding noon~~: *from mile south of Frenchmans Cap* S 69° E

Distance made good since preceding noon: 105. miles.

Distance by Log since preceding noon: 120.1 miles.

Current per hour: 0.4 miles, set N 67° W true.

Position at 8 P. M. { Latitude by *Bearings* 17° 2' " N
Longitude by " 62° 45' " W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water *Distilling* during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, 8 tons, 1040 lbs.

Coal remaining on hand at noon, 82 " 308 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Bearing thereof.	Amount, as usual.	State of the Sea.
P. M.																		
1	4	0	241	S 21° E	S S E.	3	0°		30.14	84	84	80	81	b.c.	St Cu Cu Cu	E	1	8
2	5	1	251	S 80° E	"	3	0°		30.12	84	86	81	81	"	"	"	2	"
3	5	9	36.1	"	"	3	0°		30.10	84	87	81	81	"	"	"	4	"
4	5	9	42.5	"	S E by E	3	0°		30.10	84	87	81	81	"	Cu Cu St Cu	"	6	"
5	5	7	49.2	"	E S E.	3			30.14	83	85	80	81	b.c.m.	Cu	S S E	4	"
6	3	1	54.3		"	3			30.16	83	83	78	81	"	"	"	5	"
7	4	4	58.7	S 45° E	"	4			30.17	83	83	78	81	"	"	"	6	"
8	5	6	65.2	"	"	4			30.18	83	81	78	81	b.m	Nimbus			"
9	5	7	70.4	"	"	4			30.18	82	81	78	81	b.				"
10	4	9	76.3	"	"	4			30.18	82	81	78	81	b.c.	Cu	E	1	"
11	5	2	80.5	"	"	4			30.17	81	81	78	81	"	"	"	3	"
Mid.	5	4	85.9	"	E by S	4			30.15	81	80	76	81	"	"	"	3	"

under the command of Commander R. L. Davenport, U. S. Navy,

Sunday April 7, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM. Fair and pleasant Warm gentle breezes from East. Bright moonlight. Steaming with boilers A & D. Steering [ps & sc] S 76° W. Distilling from boilers C. Ave. Steam 48. Ave rev 35.3. Found Hanson, Cox with bottle of gun. Ho 8 PM.

E. L. Beach Lieut U S N

Cloudy and pleasant with light variable winds. Gentle Easterly breeze. Barometer pressure slightly. Ship rolling 12° each side 6 per min. At 5.00 relieved J. Downing and J. A. Knoth, Ids, from confinement by order of Captain. Mustered and sent apprentices over mainhead. At 6.15 Saba in sight bearing S 60° E. At end of watch the course S 76° E [ps & sc] log 9.1 under steam in A and D boilers, distilling with boiler C. Saba bearing S 58° E and St Martins N 70° E. Ave steam 48. Ave rev 35.5

Ralph Earle, Ensign U S N

8 AM to Meridian. Fair and pleasant. Moderate breeze from E by S. Barometer steady. Ship rolling and pitching very slightly. At 7.30 mustered and inspected all hands at quarters. At 9.00 all hands were called, off and the Articles of War were read. The Navy Dept General Orders No's 6, 21, 70 and 331 were published and Chief B.M. Shadrahan serving on this ship was presented with a medal of Honor as provided in General Order No 331. Divine Service was held by the Chaplain. The Island of St Martin faded from view at 11 AM bearing N 65° E. Ave course S 76° E [ps & sc] under steam in boilers A & D until 3.25, when changed course to S 81° E [ps & sc] pl reading 1. At 12.45 changed course to S 72° E [ps & sc] pl reading 5.2. At 1.20 sighted Ly of St Eustatius bearing S 68° E. At end of watch Saba bearing S 58° E distant about 12 miles and St Eustatius bearing S 72° E distant about 23 miles. Ave steam 47, and Ave rev 36.4

W. M. Wilson Lieut U. S. N.

Meridian to 4 PM. Fair and rainy weather. Gentle breezes from S S E [ps & sc] backing to S E by E. Barometer falling. Steaming with A & D boilers to leeward of Saba and St Eustatius. At 12.30, about log reading 24.1, changed course to S 70° E by standard compass. At end of watch Saba bearing by standard compass, ship's head S 60° E, highest point of St Kitts S 69° E, highest point of St Eustatius S 66° E and highest point of Saba N 58° W. This term of confinement being finished J. Mulcahey, Landsman, stands released. A. Johnson, Apprentice 3 class, is placed in solitary confinement on bread and water for five days, by punishment already awarded. At 3.05 flagstaff St Eustatius bore N 60° E distant about 3½ miles. Sighted a steamer bound down to windward. Saba ranging to westward. Steam 47, revolutions 37½.

George N. Hayward Lieut U.S.N.

4 to 6 PM. Fair and pleasant. Gentle breeze from E.S.E. Steaming with boilers A & D distilling from C. Steering [ps & sc] S 70° E. At 5.30 changed course to S 48° E. pst log 51.2. Running with St Eustatius and St Kitts on port beam. At dusk Saba bore S.E. St Eustatius bore N.E. by E. St Kitts was on port beam, distant about 3 miles. Ave steam 37.7 Log reading

E. L. Beach Lieut U. S. N.

6 to 8 PM. Cloudy to clear and pleasant. Moderate E S E'ly breeze. Barometer rising. Ship pitching easily. At 6.18 log 55 changed course to S 33° E [ps & sc]. At 7.19 log 61.6. St Kitts light on port beam. St Kitts and Nevis abeam port beam all watch. Placed J. Downing and J. A. Knoth, Ids, on single vons for the night by order of the Captain. At 8.00 St Kitts light N 22° E and South end of island N 8° E. Boiles A and D steaming and C distilling. On course S 33° E [ps & sc] log 65.2 at end of watch. Ave steam 48 Ave rev 37.5 to Skylight

Ralph Earle, Ensign U. S. N.

Clear and fine. Moderate breeze from E S E & E by S. Barometer falling. Mercury at 9.05 On course S 33° E [ps & sc] under steam in boilers A & D. At 8.15 St Kitts Light bore on port quarter pst 66.5. At end of watch Nevis bearing N 44° E and St Kitts N 8° W [illegible]. At 10.15 Set jib, foretopmast staysail and spanker. Ave steam 48. Ave rev 37.4

W. M. Wilson Lieut U. S. N.

Examined and found to be correct.

P. F. Leiper Lieut U. S. N. Navigator.

4—256

8

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from St Thomas to San Juan.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	5	1	91.0	S 33° E	E by S	4	10	1°	30.17	83	80	78	81	h c m	Cu.	—	2	8
2	5	1	96.1	"	"	4	10	—	30.17	83	80	78	81	"	St. Cu.	—	1	"
3	5	4	01.5	"	"	4	10	—	30.16	82	80	78	81	l m	—	—	0	"
4	5	3	06.8	"	"	4	10	—	30.14	80	80	78	81	h c m	Cu. St. Cu.	—	2	"
5	5	5	12.3	"	"	4	10	—	30.14	80	80	77	80	h c.	"	—	3	"
6	5	6	17.9	"	"	4	10	—	30.15	80	80	77	80	"	"	—	4	"
7	5	7	23.6	"	"	4	10	—	30.16	80	82	78	80	"	"	—	4	"
8	5	6	29.2	"	"	4	10	—	30.17	80	84	79	80	"	"	—	4	"
9	3	1	32.3	S 62° E	E. by E.	3	—		30.20	84	84	80	81	h c m	Ci	—	1	"
10	6	1	41.3	"	S W.	2			30.20	84	86	80	81	"	"	—	2	"
11	6	8	48.1	"	Calm	0			30.21	84	88	82	81	"	Ci Cu	—	1	"
Noon.	6	4	52.5	"	"	0			30.22	80	90	83	81	"	"	—	1	"

Position at 8 A. M.: Latitude by [illegible] — 16° N. "A Mast Knight Time Sight 81-80"
Longitude by obs — 62° 10' 45" W.

Position at noon:
Latitude by observation — 16° 9' 0" N. 84-88
Longitude by observation bearings — 61° 62' 40" W.
Latitude by D. R. — 16° 7' 34" N.
Longitude by D. R. — 61° 43' 30" W.

Course made good since preceding noon: S 42° E

Distance made good since preceding noon: 122 miles.

Distance by Log since preceding noon: 126 miles.

Current per hour: .35 miles, set N 81° W true.

Position at 8 P. M.: Latitude by bearings — 15° 31' " N.
Longitude by " — 61° 31' 50" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 650 gallons.

Water Distilling during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, 9 tons, 260 lbs.

Coal remaining on hand at noon, 73 " 48 "

P. M.																		
1	3	9	61.2	S 19° E	S. S W.	1			30.18	83	89	82	82	h c m.	Cu	—	3	8
2	3	4	64.6	S 20° E	"	4			30.15	82	86	80	81	"	"	E	3	"
3	3	4	67.0	"	S E.	4			30.14	81	86	80	81	"	"	"	4	"
4	5	8	72.8	"	"	4			30.14	81	88	80	81	"	"	"	3	"
5	6	1	78.9	"	East	4			30.14	81	83	80	81	h e.	Cu. St. Cu.	East	3	"
6	6	0	90.8	"	"	4			30.12	81	87	79	81	"	"	"	4	"
7	6	3	97.1	"	"	4			30.10	81	81	77	81	"	"	"	3	"
8	3	9	101.	S 70° E	"	3			30.12	82	80	76	81	"	"	"	2	"
9	0	0	101	"	—	0			30.17	82	79	76	81	h m	Ci		0	"
10	0	0	101	"	—	0			30.20	82	79	76	81	"	"		0	"
11	1	3	101.8	West	S by E.	3			30.19	82	79	76	81	h c m	Cu	E	2	"
Mid.	2	0		"	"	3			30.16	82	79	76	81	"	"	"	2	"

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Monday Aboard S, 190 1 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 12 AM. A fine pleasant moonlight night. Moderate breezes from E by S. Barometer normal. At 12:25 took in all sail, Steaming with A and B boilers, on course S 33°E by standard compass, Sighted Montserrat at about 8:30 and at end of watch its highest point bears about S 80°E by standard compass, ships head S 33°E. Distilling with [illegible] boilers. Last night of Soufriere at about 12:15, Steam, 48, revolutions, 38.9

George N. Hayward
Lieut U. S. N.

Warm and pleasant, Bright moonlight. Moderate breeze from Eby S. Steaming with boilers A and B, distilling from C. Steering (p.c.) S 33°E. Montserrat on right beam, 9 1/2 E. at end of watch as steam 48 revs 387

E. L. Beach
Lieut U. S. N.

8 AM to Meridian:- Clear and hot. Winds E.S.Ely breeze 1st hour, calm last two, and light S.S.W.ly breeze 2nd hour. Barometer rising. Ship generally steady, Steaming boilers A and B, distilling with C. Guadeloupe sighted at 8 bearing S.S.E. Last night of Montserrat at 9:00 bearing S 80°E. At 8:30, log 32.3, changed course to S 60°E (p.c.). At 9:30 mustered and inspected at quarters, and held setting up exercises. Held routine drills at 10 and 2nd periods. Quarterly examinations of apprentices in progress. Two small sail one a sloop other a schooner in sight westward bound, and the smoke of a steamer to port, where it was last night. One sail passed astern and out of sight at 10:45. The other hoved off starboard bow at watches end. Bearing of Guadeloupe to Guadeloupe Island at end of watch S 34°E and Soufriere (p.c.) Boarder of the Captain, J. B. Davis, and Pte Salomon, App 3 C, for leaving ship without permission and entering a boat at the Saints, were confined in double irons to await trial by Summary Court Martial; A Hanson, Cox, having a bottle of gin in his possession while on duty during the mid-watch same; Wd Turner, A.B.C. smoking, was given extra duty, 1 O'Clock. App 3 C. for same; Chas Gunn who was extra duty, Anderson, App 3 C, late homeward, given extra duty, Jas Brookbanks, for refusing to obey the lawful orders of his superior officers while in the execution of his duty, was sentenced to 5 days solitary confinement on bread and water, and awaiting punishment was placed in double irons. At ends of watch on course S 62°E (p.c.) log 5 1/2, Ac Steam 47, Ac rev. 358

Ralph Earle,
Ensign U. S. N.

Meridian to 4 PM:- Clear and warm. Calm & moderate S.Ely breeze. Barometer fell slightly. Ship pitching gently. At 1:30 had routine drills. The 1st division of the watch had gallery practice from 3 to 3:30. On course S 62°E until 12:25 when changed course to S 39°E (p.c.) log 57.3. At 1:30 changed course to S 33°E (p.c.) log 64.6 Guadeloupe and St Kitts Islands in sight during watch, Dominica sighted at 2 P.M. bearing S 20°E. At end of watch Guadeloupe bears S 10°E (p.c.) Camden Bee bears S 11°E and Dominica bears S 80°E. The specifications of of forces prepared by the Captain have been delivered to P. Hanson, Cox, Pte Salomon, A.B.C. J. Davis, A.B.C. and C. Reid, F.C.W.C. to be severally tried by S. C. Martial, At Sea, At 8:00 P.M. 38.

[illegible]
Lieut U. S. N.

4 to 8 P.M.:- Fair and pleasant weather. Moderate breezes from East. Barometer normal. At 4:30 mustered at quarters and set up light yards and bent the gear of the light sails. At 4:45 set the foretopmast staysail, jib, flying jib, maintopmast and topgallant staysail. At end of watch under steam and all fore and aft sail except the main topmast staysail on course S 80°E by standard compass. Bearings of land of noted by standard compass. Highest point of the Saints (Cote en Haute) N 1°E, left tangent Dominica S 7°E, right tangent Marie Galante S 45°E, and ship head S 80°E. Guadeloupe is in sight on port quarter. Distilling with [illegible] Ship [illegible] revolutions 38.3

George N. Hayward
Lieut U. S. N.

8 to 12 PM:- Fair and pleasant. Moderate breeze from East. Steaming with A & B boilers until 7:30 when stopped steaming unshipped propeller and steaming fore under boiler No 2 Ordinant. Distilling from boiler C. Ship under fore and aft sail except maintopmast staysail. At 9 changed course to S 80°E (p.c.) log 99.1. At 10 put in foresail. At 11 steam 42.5 Ac rev 89. At 12 continued [illegible] Steaming one single reef fore topsail. At dusk last sight of islands of the Saints and Guadeloupe bearing N. Dominica on port beam 8 to 9 knots.

E. L. Beach
Lieut U. S. N.

Clear and pleasant. Calm first half with south E by S lly breeze last half. Ship steady. At 12:00 fires under A and B drew out. Distilling boiler C on min. At 8:30 took on Pilot and spoke no ship was coming up against below. At 12:00 ship was getting off a Wind (p.c.) Island of Dominica in sight all watch and at its end Cove Point distant 5 miles. At end of watch under foresail and Head sail on course West (p.c.)

Ralph Earle,
Ensign U. S. N.

Examined and found to be correct.

F. F. Leeper
Lt
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, universal.	State of the Sea.
A. M.																		
1	2	2	4.8	West	East	3	—	—	30.13	82	79	76	81	h.c.	Cu.	Cust	3	8
2	2	3	7.1	S 7° E	"	3	—	—	30.11	82	78	76	81	"	"	"	2	"
3	2	0	9.1	"	"	3	—	—	30.09	82	78	76	81	"	"	"	1	"
4	2	0	10.5	"	"	3	—	—	30.09	82	78	75	81	"	"	"	1	"
5	0	5		"	"	0-1	—	—	30.09	80	78	75	80	"	"	"	2	"
6	1	0		S.W.	SE by S	2	—	22°	30.09	80	78	75	80	"	"	4	2	"
7	0	5		"	SSE°	0-1	—	22°	30.09	81	82	77	80	"	"	"	3	"
8	No Steerageway			"	Calm	—	—	—	30.11	82	84	78	80	"	"	"	2	"
9	0	2	—	S 35° W	NE°	0-1	—	45°	30.13	81	84	79	80	"	"	"	3	"
10	No Steerageway			S 45° W	Calm	0	—	—	30.15	81	85	80	80	"	"	—	3	"
11	—	—	—	S 65° W	"	0	—	—	30.16	82	85	80	80	"	"	—	2	"
Noon.	—	—	—	S 51° W	N.W.	0-1	—	—	30.16	82	85	80	80	"	"	—	4	"

Position at 8 A. M. { Latitude by Bearings 15° 25' 25" N. Ship Temp. 85-83
Longitude by " 61° 42' 0" W. Sea " 81. 82-80

Position at noon: { Latitude by observation 15° 26' 50" N.
Longitude by observation 61° 41' 0" W.
Latitude by D. R. 15° 22' 24" N.
Longitude by D. R. 61° 36' 46" W.

Course made good since preceding noon: S 15° E

Distance made good since preceding noon: 44.0 miles.

Distance by Log since preceding noon: 47.6 miles.

Current per hour: 0.23 miles, set N 46° W true.

Position at 8 P. M. { Latitude by Bearings 15° 30' 18" N.
Longitude by " 61° 37' 24" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 850 gallons.

Water during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 2240 lbs.

Coal remaining on hand at noon, 68 " 2040 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, universal.	State of the Sea.
P. M.																		
1	No Steerageway			Various	N.N.W.	1			30.14	83	88	83	82	h.c.m.	Strlu.	—	2	8
2				"	"	1			30.14	83	89	84	82	"	"	—	2	"
3				"	West	1			30.12	84	86	80	82	"	Cu.	—	2	"
4				"	N.N.W.	1			30.09	84	85	78	82	"	"	—	1	"
5	0	6		N 7° W	"	2	—	11°	30.09	84	85	78	82	"	"	—	3	"
6	1	0		N 17° W	"	2	—	11°	30.12	85	84	79	82	"	"	E	2	"
7	0	6		"	"	1			30.12	83	82	77	82	"	Ci.	"	2	"
8	0	5		"	"	1			30.15	83	80	77	82	"	Cu.	"	2	"
9	0	5		N 22° W	Dy N	1-0			30.16	82	81	76	82	h.c.	Cu.	—	2	"
10	1	7		"	"	2-3			30.17	81	81	76	82	"	"	—	2	"
11	1	5		"	"	2			30.17	81	80	76	82	h.c.	None	None		"
Mid.	1	3		"	"	2			30.17	82	79	76	81	"	"	—		"

4—3-5

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday April 9, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 A.M. Clear and pleasant. South breeze from East. Smooth sea. Barometer falling. Under flying jib, jib, foretopmast staysail and foresail. Course West. At 1.00 changed course to S.70° W. At 4.45 and set main topsail. Island of Dominica in sight all the watch bearing abeam of watch N.80° E. Steam in boiler C. Distilling. At 3.00 completed 48 gallons.

J.H. Brown Asst Engr U.S.N.

4 to 8 A.M. Clear and serene. Beg moonlight until sunrise. Calms and light variable airs. Under same sail as preceding watch making good S.W. when having steerage way. At end of watch ship under no steerage way heading S.W. by S. with the Island of Dominica in sight, the northern end bearing N.E. by E. and the southern end bearing S.E. by E. Barometer steady. At 5.00 A.M. mustered and got up provisions over mastheads. Boiler C in use for distilling.

H.R. Bacon Asst Engr U.S.N.

8 to 12 M. Mid and Av. Fair and warm weather. Light airs from N.E. falling Calms and finally coming in light airs from N.E. Barometer normal. Distilling with steam from C boiler. At 8.20 hauled down flying jib, hauled up the main staysail, and set the spanker. At 11 hauled up the spanker. At end watch ship paying off to the N.E. and under the foretopmast staysail only. Captain assigned punishments as follows:- To C. Hines, J. Lehdein, W.H. Rugle, C.C. Carlton, R.A. Lowery, H. Bennett, W. Watkins, L.D. French, S.F. Newsome, and W. Selzer, for having tobacco, 4 hours extra duty to D.S. Fox and Sifert for having tobacco 2 hours extra duty; and to A. Cribbs for having tobacco 12 hours extra duty, to J. Kelly, N. Siefert & Cady and J. Corcoran for smoking 4 hours extra duty, to A. Pangborn and R.A. Lowery for being pipeless 4 hours extra duty, 8 hours extra duty; to J. Minchin for sitting down and sleeping on lookout, three days solitary confinement on bread and water; to A. Gibson, Blatemann, Hale, Jones, for continually neglect to clean bright work, third class, all the offenders but Gibson being apprentices third class. At end of watch bearing by standard compass, Bluff head, South, north tangent of E. and south tangent Dominica S.30° E. The Saints and Guadeloupe are also in sight.

Geo. N. Hayward Asst Engr U.S.N.

Meridian to 4 P.M. Warm weather. Light airs from W. to N.W. No steerage way, but after 2 P.M. heading to the East. At 2.00 P.M. mustered and tried A. Hanson, Cox, C. Reid, Ldg Fl'm Davis, Appr 3 class and J. Gabelson, Appr 3 class on specifications of offenses preferred by Comdr R.G. Davenport U.S.N. Had sentence read, 150 to 2.45. From 3 to 4 Sailors Fatigue Party of 3rd Division of watch. Ship under head sails. At 3.00 hauled out spanker. Distilling from boiler C. Islands in sight. Dominica bearing East, Three Saints and Guadeloupe North.

E.H. Beach Asst Engr U.S.N.

4 to 6 P.M. Fair and warm. Light N.E. by E. breeze. Barometer rising. Ship steady. Distilling with C boiler until 5.30 when tanks full, stopped, and fire allowed to die out. At 4.45 set topsail and foresail, ship coming to course S.70° W. At 5.00 mustered at quarters and held sail drill. At 5.00 A.M. noon, at which time ship under single reefed topsails foresail, fore and aft sail save flying jib and mainto'mast staysail. Sighted a steamer on starboard quarter at 5 bound north, and it was "Lydia" of Hull passing inshore and bearing at watches end N.W. by N. Distant on course S.70° W. [illegible] at 5.00. At end of watch Dominica E.N.E. and S.S.E. Les Saints S.S.E. and Guadeloupe N.W. by N. At 4.03 the summary court martial having finished all its cases before it adjourned to await action of the convening authority.

Ralph Earle, Ensign U.S.N.

6 to 8 P.M. Clear and pleasant. Light airs from N.E. by N. Smooth sea. Barometer rising. Under jib, foretopmast staysail, foresail, reefed topsails, topgallantsails, mainstaysail and spanker. Course S.70° W. At dark took sight of Guadeloupe bearing S.W. and Les Trois Saints bearing S.S.E. Dominica in sight during watch, bearing East at end of watch. At 6.50 a steamer was sighted on starboard bow bound to the S.E. Gave dying out gas boiler C. Commenced to burn coal in single retorts for the night.

J.H. Brown Asst Engr U.S.N.

8 P.M. to Mid and Av. Clear and fine. Moderate sea. At 9.15. Generally light breeze from E. by S. Calms and variable airs first hour. Barometer rose slightly. On course S.70° W. until 9.25 when changed course to S.82° W. [illegible] under same sail as preceding watch until 8.15 when took in spanker. Came out of harbor at 11.15 P.M. The Island of Dominica in sight during watch, the northern end bearing East at end of watch. A steamer was sighted at 9.30 on starboard beam heading South.

H.R. Bacon Asst Engr U.S.N.

Examined and found to be correct.

E. F. Leeper
Navigator.

4—205

LOG of the UNITED STATES Training Ship Dee 20 **Rate,**

Wind Passage from St Thomas to Ship Island.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	1	1	—	N. 22° W.	East	2	—	15°	30.14	81	82	76	82	b.c.w	Cu	—	2	8
2	0	4	—	"	"	1	—	20°	30.12	81	80	76	82	"	"	—	2	"
3	1	3	—	"	"	2	—	10°	30.11	80	79	75	82	"	"	—	2	"
4	1	3	—	"	"	2	—	15°	30.11	80	79	75	81	"	"	—	2	"
5	1	0	—	"	"	1			30.10	80	78	75	80	"	"	—	3	"
6	1	8	—	"	"	2			30.10	80	78	75	80	"	"	—	4	"
7	2	2	—	"	"	2			30.10	80	80	77	80	"	"	—	3	"
8	1	6	—	"	"	2			30.11	80	81	77	80	"	"	—	3	"
9	0	8	10.8	N.W.	E.S.E.	2			30.15	81	84	79	80	b.c.m	"	—	3	"
10	1	5	12.1	"	"	2			30.16	81	85	80	80	"	"	—	3	"
11	1	0	12.4	"	"	2			30.16	83	86	81	80	"	"	—	3	"
Noon.	1	1	12.7	"	E.S.E.	2			30.13	82	82	77	80	"	"	—	3	"

Position at 8 A. M. { Latitude by bearings — 15° 49 0" N. Mag Variation 4° 45' W.
Longitude by " — 61° 42' 30" W.

Position at noon: { Latitude by observation — 15° 53' 4" N.
Longitude by observation — 61° 47' 35" W.
Latitude by D. R. bearings — 15° 47' 0" N.
Longitude by D. R. " — 61° 52' 48" W.

Course made good since preceding noon: N 13° W

Distance made good since preceding noon: 27.5 miles.

Distance by Log since preceding noon: 21.1 miles.

Current per hour: 0.32 miles, set N 39° E. true.

Position at 8 P. M. { Latitude by — 15° 39' 30" N.
Longitude by — 61° 51' 07" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 350 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, tons, 1700 lbs.

Coal remaining on hand at noon, 68 " 348 "

P. M.																		
1	1	1	12.8	N 45° W.	South	1	—		30.09	82	84	79	80	b.c.	Cu Cu	—	2	8
2	1	0	12.9	"	S.S.W.	1	—		30.07	82	84	78	80	"	"	—	2	"
3	1	0	13.0	"	"	1	—		30.07	82	84	82	80	"	"	—	3	"
4	1	0	13.0	"	"	1	—		30.07	82	87	83	80	"	"	—	2	"
5	0	5	13.4	As Steerage way	Variable	0-1			30.08	82	87	82	81	b.c.m	Fclw	—	3	"
6	0	5	13.4	"	"	0-1			30.09	84	84	82	81	"	"	—	4	"
7	0	0	—	Ship's head N 20° W. Course N 60° W.	Calm	0			30.11	86	85	80	81	"	"	—	3	"
8	0	2	—	N 60° W.	North	1			30.12	86	84	75	82	"	Cu	—	1	"
9	—	—	—	As Steerage way	Calm	0			30.12	84	80	76	82	"	"	NE	1	"
10	0	3	—	N 50° W.	North	1		11°	30.12	83	79	76	82	"	"	"	1	"
11	1	0	—	"	"	1		11°	30.12	83	79	76	82	"	"	"	1	"
Mid.	1	3	—	"	"	1		11°	30.12	82	79	76	82	"	"	"	3	"

4—2.5

under the command of Commander R. G. Davenport, U. S. Navy,

Wednesday April 10, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.- Fine and pleasant with a heavy dew and moonlight. Light breezes and light airs from East falling nearly calm at end of second hour and at end of watch. Barometer steady. Steering on course N 32° W by standard compass under topgallant sails over single reefed topsails, jib, fore topmast staysail, fore sail and maintopsail. At about 12:15 made out Guadeloupe and the Saints on starboard bow. Bearings by standard compass at end of watch; ships head N 32° W; north tangent of Dominica, S by E; highest of the Saints N 20° E. Guadeloupe is also in sight. Smooth sea and ship nearly steady.

Ensign N. Haywood
Asst Engr U S N

4 to 8 A.M.- Warm and pleasant. Light breeze from East. Ship under topsail, foresail, head sails, jib, single reefed topsails and topgallant sails. At 6:30 took in main topsail. Ship on course N 32° W on starboard tack. Sent boys over masthead. Guadeloupe and Three Saints on starboard bow. Dominica on starboard quarter. At 7:30 shook reefs out of topsails and hoisted them.

E. H. Beach.
Lieut U S N

8 A.M. to Meridian.- Fair and hot. Light E.S.E'ly to S.S.E'ly breeze. Ship steady. Set royals at 9:00. At 9:30 mustered at quarters and had physical drill. Held routine drills 1st and 2nd periods. The Captain assigned punishments as follows: A. H. Barley, A. Bengtson, J. D. French, R. A. Fowler and E. C. Curnes, Appr 3 C, for creating a disturbance at drill, 3 hrs extra duty; J. L. Sligar, Appr 3 C, habitually loitering at all formations and whistling at drill, 10 hrs extra duty; D. B. French, Appr 3 C, smoking, 10 hrs extra duty and E. O. Rischel, Appr 3 C, shifting into duty clothes after quarters and stowing clothes in hammock netting, 2 hrs extra duty. The following in sight all watch with bearings by end of watch: Guadeloupe from N 3° E to N 70° E; Towers of Basse Terre, N 87° E; Dominica, S 10° E; and the Saints, S 50° E. At 8:30 changed course to N 39° W and put over patent log reading 10.8. At end of watch under jib, fore topmast staysail, and all square sail save mainsail low course N 39° W log 17.

Ralph Earle, Ensign U. S. N.

Noon to 4 P.M.

Clear and warm. Light airs from South to S.S.W. Smooth sea. Barometer steady. Under jib, fore topmast staysail and all square sail except mainsail. At 2:30 set mainstaysail. Cruising S.W. At 1:30 General quarters. At 2:00 1st division of watch had gallery target practice. Bearings of Islands in sight at end of watch: Dominica S 4° E. Les Trois Saints S 59° E. Guadeloupe S 73° E to S 19° E. At 4 P.M. gun completed target practice.

F. H. Brown
Lieut U S N

4 to 6 P.M. Clear and sultry. Barometer unsteady. Generally calm with light flaky airs. Ship not under steerage way heading from N 39° W (p.c.) to N 12° E (p.c.). At 4:30 Red quarters. All hands cleaned ship and in said drill until 5 P.M. at which time ceased. At 5:00 took in headsails and foresail to bring ship up to course. End of watch under all square sail but courses with topsail and spanker set, heading N 39° W (p.c.) with northernmost end of Guadeloupe bearing N by E and Les Saints bearing S by E. At 6 P.M. Taylor Montgomery bearing S 81° W. Hauled in patent log reading 13.0

W. B. Shaw
Lieut U S N

6 to 8 P.M.- Fair and very warm weather, haze and light airs from North. Barometer rising. At 7:00 hoisted jib and as the breeze came out from North braced up by the port braces. At end of watch ship under main topsail and all plain sail except flying jib, fore topmast staysail and the course steering about West by standard compass. Basse Terre Light Bearing S by E about N 15° E by standard compass. Ship heading So W at end of watch distant about 8 miles. Lost sight of Mont Soufrière at 6:30 bearing N 81° W (p.c.) by standard compass ship's head N 90° W.

Ensign N. Haywood
Lieut U S N

8 P.M. to Midnight.- Warm and pleasant. Calm and light airs prone to squally. Steerage way at first. Ship under jib, main topsail and spanker and square sail to royals except courses. Course altered N 25° W (p.c.). Close hauled on starboard tack. Passing to the N. of Island of Guadeloupe on starboard quarter.

E. H. Beach.
Lieut U S N

Examined and found to be correct.

F. F. Leiper
Lieut U S N Navigator.

4—266

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

Making Passage from St Thomas to San Juan.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving. form.	Amount. scale 0 to 10.	State of the Sea.
A. M.																		
1	1	3		N 78° W	North	1-2	—	1 pt	30.12	83	78	75	81	h.c.	Cu	St Cu	4	8
2	1	4		"	"	1-2	—	"	30.11	83	78	75	81	"	Cu	"	4	"
3	1	5		"	"	1-2	"	"	30.10	82	78	75	81	h.c.m.	Cu Cu	"	6	"
4	1	4		West	N by W	1-2	"	"	30.19	82	78	75	81	h.c.p.	Cu Cu Cu-S	"	7	"
5	1	0		N W	E.N.E.	0-2	"	"	30.10	81	79	75	81	h.c.	"	"	6	8
6	1	5		N 28° W	"	1-2	"	"	30.10	81	79	75	81	"	"	"	5	"
7	1	5		"	"	1-2	"	"	30.10	81	79	76	81	"	"	"	5	"
8	1	3		"	"	1-2	"	"	30.14	81	82	77	81	"	"	"	5	"
9	1	3		N 28° W	East	2	1 pt	30	16	82	84	79	82	h.c.m.	Cu Cu	Strat	5	8
10	6	3		N 2° W	E.N.E	2	"	"	30.16	83	84	79	82	"	"	"	4	"
11	1	5	14.0	"	E.E.	2	—	"	30.16	84	87	80	82	"	"	"	4	"
Noon.	1	3		"	S by E.	2	—	"	30.14	83	87	80	83	"	"	—	3	"

Position at 8 A. M.: Latitude by bearings 16° 1' 30" N — Mag. Sunset
Longitude by " 67° 6' 40" W — Fwd. Aft

Position at noon: Latitude by observation 16° 7' 23" N — 86-84 83-81
Longitude by observation bearings 62° 11' 30" W
Latitude by D. R. 16° -' 22" N
Longitude by D. R. 62° -' 27" W

Course made good since preceding noon: N 28° W.

Distance made good since preceding noon: 27. miles.

Distance by Log since preceding noon: 23.8 miles.

Current per hour: .26 miles, set West true.

Position at 8 P. M.: Latitude by 16° 16' 10" N
Longitude by 62° 10' 50" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 67 " 1058 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving. form.	Amount. scale 0 to 10.	State of the Sea.
P. M.																		
1	1	2	—	N 28° W	S.S.W.	2	—	—	30.12	83	84	79	82	h.c.	Cu Strat	—	4	8
2	1	4	—	"	"	2	—	—	30.10	82	84	78	82	"	"	—	6	"
3	1	1	—	"	"	2	—	—	30.09	83	85	79	82	"	"	—	6	"
4	1	0	—	"	S W.	2	—	—	30.09	82	86	80	82	"	"	—	6	"
5				Hove to under sail		0-1	—	—	30.09	82	85	80	82	"	"	—	4	"
6				"	Calm	0	—	—	30.10	83	84	79	82	"	"	—	8	"
7				"	"	0	—	—	30.10	84	82	79	82	"	"		4	"
8				"	"	0	—	—	30.10	84	82	79	82	"	"		5	"
9				"	"	0	—	—	30.10	84	80	76	82	"	"		5	"
10				Hove to under sail	N.E. by E.	2	—	—	30.17	82	80	76	82	"	"	NE	6	"
11	1	1	13.9	N 60° W	N.E.	2	—	11°	30.17	82	80	76	82	"	"	"	4	"
Mid.	2	2	15.0	N 36° W	"	3	—	11°	30.16	82	80	76	82	"	"	"	7	"

under the command of Commander R. D. Davenport, U. S. Navy,

Thursday April 11 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 12 A.M.- Cloudy and hazy. Light airs and breezes from variable. Ship W. Barometer falling. Ship steady. Moon rose over high cloud bank at E.S.E. Island of Guadeloupe in sight bearing E by N. Under jib, spanker, topsails and all square sail sails connected by the wind, starboard tack making from 4 to 7½ knots per hour S.W.W.- Ralph Earle, Ensign U.S.N.

Fair and pleasant. Light airs and light breeze from E. by E. to E.N.E. Smooth sea. Barometer steady. Under jib, spanker, main topsail and all square sail sails as per courses. At 6:00 set flying jib and foretopmast staysail. First hour by the wind, making S.W. by W. ½ W. Last three hours on course S.S.E. ½ E. At daylight the Islands of Guadeloupe, Les Troes Saints and Monteserat in sight, bearing at end of watch, N.W. by W. ½ W., N. 75° E. and N. 2° W. respectively. Scrubbed, mattress covers. Sent apprentices aboard main top. At 5:00 relieved J. J. Downing, Ldg. Seaman, from confinement. F. H. Brown Lieut. U.S.N.

8 A.M. to Meridian.- Clear and hazy, sultry. Barometer falling slightly. Light breeze from E. by E. to E. by S. Wind at 8 A.M. released from confinement, time expired, A. Smith, Ldg. Seaman, in solitary confinement on bread and water for 3 days, as per punishment assigned. At 9:30 went to Sea Quarters. Divisions reporting as follows: 2nd and 3rd Batteries, 1st and 4th, 1st and 4th, in ½ min. Navigators in 2½ min. 3rd Division 3½ min. At 9:52 calls sounded, to secure all divisions reporting secured in 5 min. At 10:45 went to 2nd Drill Period. The Deputy Officer imposed the following punishments: Jos. Burrell, A.S.C., 3rd Steward, A.S.C., C. Engberg, A.S.C., J. McDowell, A.S.C., R. Hoffman, A.S.C., C.C. Rachell, A.S.C., C. J. Babine, A.S.C., J. Adel, A.S.C., and A. Hurd, A.S.C., each 4 hrs extra duty for having tobacco in their possession. P. Kirby, A.S.C., 4 hrs extra duty for smoking. R. Bowery, A.S.C., stowing clothing on hammock netting 4 hrs extra duty. D. Fox, A.S.C., creating disturbance in hammocks, 6 hours extra duty. Took in spanker and topsail. Under all square sail but courses & head sails set on course S.S.E. ½ E. until 9:45 when changed course to S.E. ½ E. until 9:50 when changed course S.E. by E. ½ E. The Islands of Guadeloupe, Les Saints and Monteserat in sight during watch, at end of watch bearing respectively E.S.E., E. ½ S., E. by E. and N. ½ W. F. H. Brown Lieut. U.S.N.

Meridian to 4 P.M.- Fair and warm weather. Light breeze from S.E. backing to S.S.E. and then to W. by N. Barometer falling. At 12 hauled down jib and flying jib and set the foresail. Wind at end of watch ship steering S.E. ½ E. by standard compass with the wind abeft the beam under all plain sail except the flying jib, i.e. mainsail and spanker. Wind at watch bearing by standard compass, ship's head S.E. ½ E., point left of Guadeloupe, N.N.E. and point to right of Guadeloupe, E. by S. Monteserat in sight about on point of starboard bow. At 1:30 had quarter drills and at 2:00 the second division of the watch had target practice. George N. Hayward Lieut. U.S.N.

4 to 8 P.M.- Fair and warm. Calm, with occasional light airs from S.W. Ship on port tack. No steerage way. Course steered S.E. ½ E. (p.c.) Island of Guadeloupe, East, Monteserat, South West ½ quarters, at 4:30 Pm called all hands to muster and published proceedings and findings of Court Martial of Chauncey Todd, A.S.C., charged for absenting himself from his station and duty without leave from proper authority. Sentence, Reduction to the next inferior rating that of ship's Cook 3rd Class. Andrew Hanson, Coy. Acting, Having in his possession a bottle containing liquor, reduced to the next inferior rating that of seaman. John B. Davis and Oswald E. Salomon, Apprentices 3rd Class, absenting themselves from their station and duty without leave from proper authority. Sentence in each case, Davis and Salomon, 3rd class, solitary confinement in double irons for 30 days. Sentence as mitigated in cases of Davis and Salomon, seventeen days solitary confinement without irons. Read 3rd Class and Seamen, A. Sea, were released from confinement and restored to duty. John B. Davis and Oswald E. Salomon, Apprentices 3rd Class were released from confinement and made persons at large this day. Deputy Officer. Exercised at loosing and furling sail. Ship under plain sail to royals, except course also main topsail. Hauled down Ensign and Union Jack at 6:00 P.M. E. Breach Lieut. U.S.N.

Fair, hot and calm. At dusk last night of Monteserat bearing N.W. ½ W. and Guadeloupe N. 73° E. to N. 2° E. Ship under square sail sail courses, and topsail and spanker, having no steerage way. Read by Downing Ldg. Seaman, the Proceedings of Court Martial in the case of Chauncey Todd, A.S.C. Ralph Earle Ensign U.S.N.

8 P.M. to A.M. to 4 A.M. Light.- Pretty cloudy. Pleasant weather. Calm to gentle breeze from E. by S. to N.E. Smooth sea. Barometer nearly steady. Under square sail except courses, and main topsail and spanker. No steerage way first hour. At 8:05 set jib. At 9:30 set foretopmast staysail and mainsail. At 10 set flying jib. Last two hours by the log as per making course S.S.E. ½ E. to S. 36° W. At 11:15 put over log reading 13.9

F. H. Brown, Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. U.S.N. Navigator.

4—268

LOG of the UNITED STATES Training Ship Essex 3d Rate **Rate,**

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, as to 10.	State of the Sea.
A. M.																		
1	3	2	18.2	N 36° W	N.E.	3	5°	16°	30.12	82	80	77	81	b.c.	Cu	No.	5	8
2	3	3	21.5	"	"	3	5°	16°	30.10	82	80	77	81	"	"	"	4	"
3	3	6	25.1	"	"	3	5°	16°	30.10	82	80	77	81	"	"	"	4	"
4	3	9	29.0	N 35° W	N.E by E	4	5°	16°	30.10	82	80	77	81	"	"	"	5	"
5	4	4	33.4	N 25° W	"	3	5°	10°	30.11	81	78	76	81	"	Cu Cu Cu	Cu Cu	6	"
6	4	1	37.5	"	E.N.E.	3	5°	10°	30.11	81	78	76	81	"	"	"	7	"
7	4	3	41.8	"	"	3	5°	10°	30.11	81	78	76	81	"	"	"	7	"
8	4	0	45.8	"	E by N	3	5°	10°	30.11	81	78	76	81	"	"	"	7	"
9	1	3	47.1	N 15° W	E.N.E	3	5°	11°	30.16	80	80	77	81	"	"	"	5	"
10	1	0	48.9	N 18° W	N.E by E	2	3°	6°	30.18	80	80	77	81	"	Cu Cu	"	5	"
11	1	0	49.0	N 15° W	"	2	3°	11°	30.18	80	83	78	81	"	Cu Cu	"	5	"
Noon.	1	7	49.	"	"	2	3°	11°	30.18	80	83	78	81	"	"	"	3	"

Position at 8 A. M. { Latitude by Bearing 16° 36' 0" N. Sights Sept 8th 82-81
Longitude by " 67° 34' 0" W.

Position at noon: { Latitude by observation 16° 42' 00" N. 85-84
Longitude by observation Bearings 62° 40' 0" W.
Latitude by D. R. 16° 37' 58" N.
Longitude by D. R. 62° 35' 18" W.

Course made good since preceding noon: N 37° W.

Distance made good since preceding noon: 46. miles.

Distance by Log since preceding noon: 46.2 miles.

Current per hour: .22 miles, set N 18° W. true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water ~~~~ during the preceding 24 hours, ~~~~ "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 800 lbs.

Coal remaining on hand at noon, 67 " 1088 "

P. M.																		
1	1	3	50.3	N 10° W														
2	0	9	51.2	N 30° W	E.N.E.	2	4°	11°	30.17	82	86	80	82	b.c.m.	Cu	—	2	8
3	2	0	53.3	"	"	2	4°	11°	30.16	82	87	81	82	"	"	—	2	"
4	2	0	55.9	"	N.E by E.	3	4°	11°	30.14	82	87	81	82	"	"	—	2	"
5	2	1	58.0	N 34° W.	N.E by N.	3	2°	11°	30.12	81	87	79	81	"	Cu Cu	—	3	"
6	4	4	62.4	N 45° W	"	3	4°	11°	30.12	81	83	78	81	"	"	"	5	"
7	5	0	67.4	N 30° W	N.E by E.	4	6°	11°	30.14	80	81	77	81	"	Cu Cu	"	4	"
8	5	1	72.7	N 45° W	N.E. by N.	4	5°	11°	30.16	80	80	76	81	"	"	"	6	"
9	3	6	76.3	"	"	4	5°	8°	30.18	80	80	76	81	"	"	"	4	"
10	3	2	79.5	"	"	4	4°	8°	30.19	81	79	76	82	b.	—	—	0	"
11	3	0	83.0	"	"	4	4°	8°	30.19	81	79	76	82	b. w.	—	—	0	"
Mid.	3	6	86.6	N 85° W	"	4	—	—	30.20	81	79	76	82	"	—	—	0	"

under the command of Commander R. S. Davenport, U. S. Navy,

Friday April 12, 190 /.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.— Cloudy and pleasant. Moon rose at 12.20. Barometer fell slightly. Gentle to moderate breeze from N.E. to N.E by E. A Steamer passed on port bound headed to the S.W. at 2.30. Under all sail, full and by on starboard tack, making good N.55° W. Nothing in sight during watch.

W. Bates Lieut U.S.N.

4 AM.— Cloudy and pleasant weather. Gentle breeze from N.E by E. hauling to E.N.E, and to E by N. Barometer steady. At 6.30 took in the spanker. Trysail. At end of watch ship under all plain sail wind two points on the starboard tack, on course N.38° W. Key standard compass. At daylight sighted Nevis, Redonda, Montserrat and Guadaloupe. Bearings by standard compass at end of watch, ship's head N.38° W.; right tangent Montserrat N.82° E.; left tangent Nevis N.8° E.; Guadaloupe bearing about E by N. At 7.00 relieved J. Downing Sandsman.

Geo. N. Hayward Lieut U.S.N.

8 AM to Meridian.— Fair and warm. Light breeze from N.E by E. Steering S.W. by S. N.38° W. until 8.35 when changed course to N.85° W. Set log 4.71. Ship under all plain sail, royals, making 6 knots good, and clear hauled on starboard tack. Mustered at quarters at 8.30. Fires opened at fire quarters and abandon ship. Sounded fire quarters at 9.45 and abandon ship at 9.57, boats reporting as follows: sailing launch 1 min, gig, 1 min; 4th cutter 2 min; 2nd cutter 2½; 3rd cutter 3; 1st cutter 3½; steam launch 4; dinghy 5; whale boat 7. Sounded secure at 10.02, all boats reporting in 8 minutes. Called away boats for distant service at 10.30. Boats reported as follows: whale boat 2 min; 3rd cutter 2½ min; 1st cutter 2½ min; 2nd cutter 3 min; 4th cutter 3 min. Sounded secure at 10.37, all boats secured in 2 min. Overhauled and inspected boat stores. Cond'y Officer awarded punishments as follows: W. Ebulme, A.B.C. disrespect, 3 nights in double irons. C.J. Barnes, A.B.C. smoking, 12 hrs extra duty. J.H. Roberts, A.B.C. asleep while on lee boom watch, 3 nights in double irons. J. Selleger, A.B.C. W. W. Rugh, C. Klem, Appl. 3.C. smoking, 3 hrs extra duty. W. Ebulme, A.B.C. insolence and profanity, 3 nights in double irons. H. Bradley A.B.C. destroying government property, 3 hrs extra duty. A. Anderson, Appl. 3.C. tearing blanket on deck to sleep, 3 hrs extra duty. By order of Executive Officer. J. Robson, A.B.C. released from confinement this forenoon. W. T. Dickenson, A.B.C. placed in solitary confinement on bread and water for five days, as per assigned punishment. Islands in sight, Nevis N.8° E. Montserrat E by S. St Kitts S by E. Redonda, N.E. Last night of Guadaloupe at 9 bearing S.E. by E.

E. Beach Lieut U.S.N.

Meridian to 4 PM.— Fair and pleasant. Gentle to light S.W. by S. to S.S.W by S.W. breeze. Barometer falling. Ship steady with head to port tack. Held general drill, set trysail and mainsail, departments at quarters. Gun division had practice with gallery rifle 3.05 to 3.45. These islands were in sight all watch and bore as follows: Montserrat S.75° E.; Redonda, N.80° E.; Nevis, N.8° E. and St Kitts, S.9° E. At 12.20 log 50.3 changed course to N.80° W. Ship under all sail on course mainsail, on course N.80° W. by S. ½ W. log 57.4 at end of watch.

Roger Eades, Ensign U.S.N.

4 to 8 PM.— Fair and pleasant. Gentle breeze from N.E by E. Smooth sea. Barometer rose slightly. Made and set trysail mainsail. By the wind making course N.80° W. to N.85° W. At 6.30 mustered at quarters. Called away boats for sail exercise and took in and furled sail, then loosed and set sail. At 5.15 lost sight of Montserrat bearing E.N.E. and Redonda bearing S.S.E. Islands in sight at end of watch, St Kitts bearing S.20° E. and Nevis bearing S.6° E.

J. H. Brown Lieut U.S.N.

8 to 12 M.— Clear and pleasant. Moderate to stiff breeze from S.S.E by E. to S.E by E. Barometer rising. Sea light. Ship steady. Steering. Full and by on starboard tack under all sail until 7.30 when took in main trysail and mainsail, making good at 8 N. ¼ E. and N.85° W. ¼ S. St Kitts and Nevis last in sight at 6.30 p.m. bearing respectively S.20° E. and S.6° E. [illegible]

Wm Lieut U.S.N.

12 Midnight.— Fair and pleasant weather. Moderate breeze from S by E. Barometer steady. At 8.15 took in and furled the light sails, hauled up the forsail and hauled up the spanker. At 9.30 hauled down the main trysail. At 11.30 scandalized the topsail. Steered N.85° W. by standard compass until 2.00 when course was changed to N.85° W. by standard compass. At 4.00 set trysail. At 4.30 set topsail under jib and scandalized topsail on course. At 8.00 [illegible] watch ship under spread square sail, rolling easily to a quartering sea.

Geo. N. Hayward Lieut U.S.N.

Examined and found to be correct.

E. E. Lee jr. Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Steaming Seas Easy 3d Rate,

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10=8.	State of the Sea.
A. M.																		
1	8	0	88.7	N.85° W	N.E.	4			30.15	81	79	76	82	hzw	—	—	0	S
2	7	0	88.9	"	"	3			30.14	80	79	76	82	"	—	—	0	"
3	1	4	90.0	"	E.N.E	2			30.14	80	79	75	82	hzw.	Cu	E	2	"
4	1	4	91.0	"	"	2			30.13	80	79	75	82	"	"	"	2	"
5	1	0	92.0	"	"	2			30.14	80	78	75	82	"	"	"	3	"
6	1	3	93.3	"	"	3			30.16	80	78	75	82	"	Cu	"	4	"
7	1	3	94.6	"	"	3			30.17	80	78	75	82	"	"	"	8	"
8	3	3	97.9	"	"	3			30.18	80	79	78	82	"	"	"	8	"
9	3	1	101.0	"	"	3			30.20	80	80	77	82	hzw	Cu	"	8	"
10	5	0	106.0	"	"	4			30.22	80	80	77	82	hz	Cu	"	8	"
11	4	1	110.1	N.14° W	"	4			30.21	80	81	78	82	hzw	Cu	"	7	"
Noon.	5	6	115.7	N 20° W	"	4			30.21	79	81	78	82	"	"	"	6	"

Position at 8 A. M. { Latitude by D.R. 17° 3' 00" N Mag'l'ment
Longitude by Hs 63° 39' " W Mag'l'ment

Position at noon: { Latitude by observation 17° 12' 34" N 86 84
Longitude by observation 63° 33' 45" W 87 81
Latitude by D. R. 17° 12' 32" N
Longitude by D. R. 63° 37' 15" W

Course made good since preceding noon: N 67° W

Distance made good since preceding noon: 29 miles.

Distance by Log since preceding noon: 71.4 miles.

Current per hour: .15 miles, set West true.

Position at 8 P. M. { Latitude by D.R. 17° 43' 10" N.
Longitude by Hs 64° 21' 21" W

Variation of compass: 3° W'ly

Error of compass observed at 5.17 3° 29' W

Deviation of compass on N 20° W 1° 30' "

Water expended during the preceding 24 hours, 160 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 750 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 67 " 1088 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10=8.	State of the Sea.
P. M.																		
1	5	0	24.7	N 28° W	N.E by E.	4	10°	15°	30.21	80	82	78	82	hz	Cu	N	4	S
2	5	0	25.7	N 21° W	"	4	10°	15°	30.18	80	82	78	82	"	Cu	"	4	"
3	4	8	30.5	N. 18° W	"	4	10°	15°	30.15	80	81	77	82	"	"	"	3	"
4	4	9	35.4	"	"	4	10°	14°	30.13	80	81	77	81	"	"	"	3	"
5	5	1	40.8	N 22° W	N.E.	4	9°	13°	30.12	79	80	77	81	"	Cu	"	6	"
6	4	7	45.2	N 18° W.	"	4	8°	13°	30.12	79	81	77	81	"	"	"	6	"
7	5	0	50.2	N. 22° W	"	4	8°	13°	30.17	79	79	77	81	"	"	"	4	"
8	4	7	54.9	N 17° W	N E by E	4	8°	11°	30.18	79	79	77	81	"	"	"	6	"
9	4	0	58.9	N 10° W	"	4	8°	11°	30.19	79	79	76	81	"	"	"	2	"
10	3	6	62.5	N 8° W	E.N.E.	4	8°	14°	30.20	79	79	76	81	"	"	"	3	"
11	3	2	66.7	N 4° W	E by N.	4	9°	14°	30.21	79	79	76	81	"	"	"	3	"
Mid.	2	6	68.3	N 9° W	"	4	9°	14°	30.21	79	79	76	81	"	"	"	2	"

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday April 13, 190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ~~ended~~ A.M. Fair and pleasant. Moderate to light breze from N.E. & E. & N.E. Moderate at about 7:30 Ship under command subject to orders. At 10:30 set foretopsail. At 11:00 set main topsail and at 3 took it in. At 11:30 coupled up propeller. Ships company employed in usual manner. At 8 P.M.

E. L. Beach Lieut U.S.N.

Cloudy and pleasant. Gentle E.N.E. breze. Barometer rising. Ship rolling 20° each side 6 per minute. The following named men were punished by order of Captain. J. Delaney 1st. from confinement. At 8:00 mustered, and sent apprentices over mastheads. Arrd bedding. At 7:00 uncoupled propeller and set topsails, topgallantsails, and royals. At end of watch on course N.85°W. Dist. by log 9.2 Employed as yesterday. Set and all square sail save mainsail.

Ralph Earle, Ensign U.S.N.

8 P.M.:- To Meridian.

Cloudy weather. Gentle to moderate breze from E.S.E. Smooth sea. Barometer steady. Under jib and all sail except mainsail. Course N.85°W. At 10:00 changed course to N.74°W. D.R. 6.0 and set flying jib. Fore and main topmast staysail, maintopsail, and spanker. Last hour by the wind making course N.85°W. Cleaning ship. At 10:30 piped up hammocks and went to quarters for clothing inspection, and making out monthly clothing and small stores requisition. Set clock 12 o'clock 2 minutes fast hour. A water spout formed to windward 1st second hour.

F. H. Brown, Lieut U.S.N.

Meridian to 4 P.M.:-

Clear and fine. Barometer falling. Moderate breze from N.E. by E. Ship steady. Set 10:. Piped down and bedding at 1 P.M. Under all sail except mainsail, full and by on starboard tack, making good N.75°W. Dist. 18.2 Log 68.2. Passed smoke pipe and started fires in boiler to [illegible]

W. R. Brown Lieut U.S.N.

4 to 6 P.M.:-

Cloudy and pleasant weather. Moderate breezes from N.E. Barometer normal. At 4:30, mustered at quarters. At 5:00 sighted Santa Cruz, bearing N.55°W by standard compass; ships head at 5 P.M. At end of watch under the maintopsail, the maintopmast staysail, and all plain sail but the mainsail, by the wind on the starboard tack and making good about N.17°W by standard compass; Cook highest point of Santa Cruz bearing N.7°W by standard compass. Ships head, N.8°W. Furled in Cockpit. By authority of the Captain 6 pounds of dried peaches were thrown overboard condemned by the Surgeon as unfit for use.

George N. Hayward, Lieut U.S.N.

6 to 8 P.M.:-

Fair and pleasant. Moderate breze from N.E. Ship hove and by on starboard tack, under main topmast staysail, maintopsail, and all plain sail to royals. Course steered N. making about N.10°W. by C. At 7:30 took in maintopmast staysail, royals and flying jib. Island of Santa Cruz in sight until dusk, when last sight of it bearing N.W. by W. Employed as yesterday. At 8 P.M. to Midnight.

E. L. Beach Lieut U.S.N.

Cloudy and pleasant. Moderate N.E. by E. to E. by N. breeze. Barometer rising. Ship steady. At 12 midnight ~~made~~ ready to set topsails. Set foresail, fore topmast staysail, topsail and spanker on course N.9°W. D.R. 6.0 Log 68.3. At 12:15 began distilling using boiler C. Steering full and by on starboard tack making N.11°W. by C. D.R. N.7 3/4°W. Dist. 1.8 when set course N.9°W. D.R. 6.0 Log 68.3. At 1:00 coupled up propeller and took in and furled topgallantsails. A steamer bound E. & S passed astern at 2:15. Sounding each mile from 9:56 to 12:00 but getting no bottom with 160 fms wire out.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper Lieut U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex 3d. **Rate,**

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, sometimes.	State of the Sea.
A. M.																		
1	2	5	70.8	N.g.W.	E.N.E.	4	4°	12°	30.18	79	78	76	81	h.c.	Cu	Nb	3	S
2	2	2	73.0	"	"	4	5°	12°	30.17	79	78	76	81	"	" Cu	"	5	"
3	2	4	77.4	"	"	4	5°	12°	30.17	79	78	76	81	"	"	"	4	"
4	2	1	80.5	"	"	4	5°	12°	30.16	79	78	76	81	"	"	"	6	"
5	2	4	83.9	"	East	4	6°	11°	30.21	80	79	78	82	h.c.m	Cu	Cb	8	"
6	2	0	86.9	"	"	4	6	11°	30.21	80	80	76	82	"	"	"	7	"
7	4	3	90.7	S 72° W	E.S.E.	4	—	—	30.21	81	82	76	82	h.c	Cu	—	3	"
8	5	6	95.2	"	"	4	—	—	30.21	81	83	77	82	"	"	—	3	"
9	1	0	96.2	S 72° W														
	3	7	99.9	N 74° W	Obs'd	4	—	—	30.22	81	84	77	81	"	Cu	Cb	3	"
10	4	5	104.4	"	"	4	—	—	30.23	81	84	78	81	"	"	"	4	"
11	3	6	108.0	"	E.S.E.	4	—	—	30.21	81	87	79	81	"	"	"	3	"
Noon.	3	4	111.6	N 15° W	"	4	—	—	30.21	81	87	79	81	"	"	"	8	"

Position at 8 A. M. { Latitude by Soundings 18° 13' 0" N. Neg. Tonight
Longitude by " 64° 49' 0" W. Obsd Alt

Position at noon: { Latitude by observation 18° 21' 15" N. 83-24 81-80
Longitude by observation 65° 7' 30" W.
Latitude by D. R. 18° 10' 0" N.
Longitude by D. R. 64° 56' 45" W.

Course made good since preceding noon: N 44° W.

Distance made good since preceding noon: 100 miles.

Distance by Log since preceding noon: 95.8 miles.

Current per hour: 0.5 miles, set N 54° W. true.

Position at 8 P. M. { Latitude by DR 18° 42' 3" N.
Longitude by obs 65° 14' 6" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 660 lbs.

Coal remaining on hand at noon, 66 " 428 "

P. M.																		
			1.6															
1	3	8	15.4	N.W.	Obs'd	3	3°		30.20	80	81	79	81	h.c.s.	Cu	Cb	7	S
2	2	3	17.7	North	"	3	3°	22°	30.18	80	82	80	81	h.c.m.	Cu	"	5	"
3	2	3	20.2	"	"	4	3°	22°	30.16	80	83	80	81	"	"	"	4	"
4	2	7	22.9	"	"	4	3°	22°	30.16	80	82	80	81	"	"	"	5	"
5	2	9	25.8	N 30° E	"	4	3°	15°	30.16	80	81	80	81	h.c.	Cu	"	3	"
6	2	7	28.5	"	"	4	3°	15°	30.16	80	80	79	81	"	"	"	2	"
7	2	0	31.3	"	"	4	5°	15°	30.18	82	80	79	81	h.c.m	Cu	"	3	"
8	2	9	34.4	North	"	4	5°	15°	30.20	82	80	77	81	"	"	"	8	"
9	1	3	35.7					10°										
	2	4	37.3	S 88° W	"	4	—	—	30.24	81	80	77	81	"	"	"	6	"
10	3	0	40.3	"	"	4	—	—	30.26	81	80	77	81	"	Cu	"	3	"
11	3	2	42.5	"	"	4	—	—	30.26	81	80	77	81	"	"	"	3	"
Mid.	2	8	46.3	"	"	4	—	—	30.26	81	79	77	81	"	"	"	4	"

under the command of Commander R. D. Davenport, U. S. Navy,

Sunday April 14 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Fair and pleasant. Moderate breze from S.E. Smooth sea. Barometer steady. Under topsails, forsail, jib, fore topmast staysail, and spanker. Course N 90° W. At 1:35 set fore gallantsails and at 2:15 took them in. Steam in boiler C. Distilling. The moon rose at 2:20.

J. H. Brower Asst. Engr. U.S.N.

4 a.m. to 8 A.M. Fair and pleasant. Barometer steady. Moderate breze from E. to E.S.E. At 5 a.m. mustered and sent apprentices over mainmast. J. Brower, Jr. was released from confinement at 6 A.M. On course N 90° W (per) under same sail as preceding watch until 6 a.m. when changed course to S 72° W (per) took in spanker and mainstaysail, and set all sail to royals. At daylight sighted the Island of St Thomas, St Johns, Tortola, and Virgin Gorda, ahead. At 6 A.M. Frenchmans cap bore S 79° W. At 7:05 Frenchmans cap fore on starboard bow. Ft. 94.7. Distilling with boiler C in use.

J. P. Ramsay Lieutenant U.S.N.

8 A.M. to Noon. Fair and pleasant. Barometer normal. Moderate breze from E by S hauling to E.S.E. Commenced and ended with ship under all plain sail except the flying jib, fore topmast staysail, mainsail and spanker on course N 88° W by standard compass, with St Thomas and adjacent islands on starboard hand, Culebra Islands on port hand and Sail Rock dead astern. At end of watch bearings by standard compass, ships head N 88° W, right tangent Savanna Island S 87½° E; left tangent Savanna Island S 75° E, highest point Dutchman's Cap N 71° E and left tangent Cockroach Island N 55° E. By order of the Captain, M. Fitzgerald Sandeman was to be placed in double irons for ten nights for refusing to obey the orders of the Petty Officer of the Deck.

Lieutenant U.S.N.

Noon to 4 P.M. Cloudy and warm weather. Moderate breze from E by S. Steered N 88° W from 12 to 1. Then ship was close hauled on starboard tack, making course N 60° E. Set fore topmast staysail and fore topmast staysail, which set at 12:10 and spanker at 12:30. At same time set mainstaysail. At 1 took in and furled light sails and flying jib. At 1:15 backed main topsail and completed propeller became of its swinging noise. Distilled two tons of water. Culebra Island N 71° E. St Thomas S 75° E.

E. L. Beach Lieut U.S.N.

4 to 8 P.M. Fair and pleasant. Moderate. Light breze. Barometer steady. Distilling. Boiler C in use. At 5:30 mustered at quarters. Ship steady with a bad list to starboard. Last night of Culebra Island, and St Thomas bore E. By the wind on starboard tack, making S 80° (per) under topsails, forsail, jib, fore topmast staysail, trysail, and spanker. Log 215 Patent log out 6:30 P.M.

Ralph Earle Ensign U.S.N.

Fair and pleasant. Moderate breze from E by S. steered N.W. Barometer steady. Under jib, fore topmast staysail, forsail, topsails, maintopmast and spanker. By the wind, making course N 30° E. first hour, heeled over considerable. At end of watch ship at 8:25 P.M. hove to as was confused in night for the night. Middy Gould to be in double irons. Steam in boiler C. Distilling.

J. H. Brower Asst. Engr. U.S.N.

8 P.M. to Midnight. Clear and fine. Moderate breze from E by S. Barometer rising. Under same sail as preceding watch, making 4 (per) until 8:25, when changed course to S 88° W and took in spanker, topsail and fore topmast staysail. Ship rolling to quarter rolling sails. Main roll each side 15° At 11:45 P.M. a sailing vessel passed astern heading to the Northward and Eastward. At end of watch under topsails lee clew foresail and jib. Distilling. Boiler C in use.

W. L. Rahm Lieut U.S.N.

Examined and found to be correct.

E. F. Leyton
Lieut U.S.N. Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from St Thomas to San Juan

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols	Moving from	Amount, as to 10.	State of the Sea.
A. M.																		
1	7	8	49.1	S 88° W.	E by N.	3		—	30.21	81	79	77	81	h c	Cu	E	4	8
2	7	6	56.7	"	"	3	—	—	30.18	81	79	77	81	"	"	"	3	"
3	7	5	64.2	"	East	3	—	—	30.16	80	79	76	81	"	"	"	3	"
4	7	8	71.0	"	E by S	3	—	—	30.16	80	78	76	81	"	"	"	3	"
5	8	0	79.0	"	East	4	2	—	30.17	81	79	77	82	h c m	A Cu	NE	5	1
6	8	2	87.2	"	"	4	12	12	30.18	81	80	77	82	"	"	"	5	"
7	7	3	95.2	S 63° W.	"	4	16	16	30.19	81	80	77	82	"	Cu	"	4	"
8	8	3	103.5	"	"	4	16	16	30.21	81	80	77	82	"	"	"	4	"
9	7	2	111.7	"	"	4			30.22	81	80	77	82	h c	"	"	3	"
10	4	8	120.5	S 26° W.	S. S E	4			30.22	82	82	77	82	"	"	"	3	"
11	2	2	125.4	"	S E.	4			30.22	82	82	78	82	"	"	—	2	"
Noon.	7	2	132.6	Various East.	"	4			30.22	82	82	78	82	"	"	—	2	"

Position at 8 A. M.: Latitude by D.R. 18° 18' "N. Mag. Temp
Longitude by chs 68° 48' 30" W. Fair Aft.

Position at noon: Latitude by observation ° ' " 84-83 81-80
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 82.2 miles.

Distance by Log since preceding noon: 82.2 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water ~~Distilled~~ during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 3 tons, 860 lbs.

Coal remaining on hand at noon, 62 " 1808 "

P. M.										
1	E. N. E.	E. N. E.	4	30.18	83	87	84	h c m	Cu	NE 5
2	"	"	4	30.17	83	87	84	"	"	" 5
3	N E by E	"	4	30.16	84	88	83	"	C Cu	" 4
4	"	"	4	30.15	83	88	83	"	Cu	" 4
5	"	"	4	30.14	82	87	82	"	"	" 4
6	"	"	4	30.15	82	82	79	"	"	" 3
7	"	"	3	30.18	82	80	78	"	"	" 3
8	E by N.	N E.	3	30.18	84	81	79	h c.	C Cu	" 2
9	"	"	3	30.19	84	81	79	"	Cu	" 1
10	E N E.	E N E.	4	30.20	84	81	79	"	A Cu	" 4
11	"	"	3	30.21	84	80	79	h c m	"	" 8
Mid.	S E.	East	2	30.20	84	80	78	"	"	" 5

under the command of Commander R G Davenport, U. S. Navy,

Monday April 15, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM. Fair and pleasant weather. Gentle breeze from E by N hauling E by S. Barometer falling. Steam in C boiler for distilling. At 12 lighted fires in Aake B boilers. At 4:00 hauled up the foresail, and at 2:30 set the foresail. At end of watch ship under jib, whole foresail and jib tops'l topsails on course S 88° W by standard compass. At 5:30 a white light was in sight from height of main cap bearing about S 30° E by standard compass, ship's head West. Ship rolling duply to a low following swell. Latest rocky Peaks in sight. Mostly open grey high cloud [illegible] at 3:45.

George N. Hayward Lieut U. S. N.

8 to 8 AM. Fair and warm. Moderate breeze from East. Ship under jib, foresail and topsails. On course [illegible] S 88° W. At 6:52 changed course to S 6:30 W. At 7 log 6.9, at same time stopped distilling and connected up distilling boiler C to boilers A and B, and at 7:15 started steaming with boilers A, C and D and took in and furled squaresail and set fore and aft sail. Made preparations for coming in harbor. Exp steam 5 lbs. Exp rev 37. At 5:30 relieved Downing Eds and M. Fitzgerald Eds.

8 AM to Meridian:- E. L. Beach Lieut U. S. N.

Fair and pleasant. Moderate East to S S E'ly breeze. Barometer steady. Ship steady. Under steam boilers A, C and D. Sighted island of Porto Rico, S 85° W, at 9:30. At 9:45 log 8.3 changed course to S 26° W [p.s.c.] until 11:20 when stood into harbor of San Juan hauling in log at 11:30 reading 9.6.5. Making preparations for port. By order of the Captain placed J. J. Downing Eds, F. P. Solomon, A.S.C. and J. B. Evans, A.S.C. in single irons for safe keeping. The Captain assigned punishments as follows:- T. Chisholm, O.S. 1st Class, 10 hrs extra duty for having tobacco in their possession, the former 12 hrs, and latter 16 hrs extra duty; A. L. Ennis, and W. H. Ruble, Apps. S.C., smoking, 2 hrs extra duty each. D. Jack, App. S.C., smoking, 4 hrs extra duty; A. L. Spaeter and A. C. Bingham, A.S.C., for skylarking at quarters, 6 hrs extra duty; M. Cannon, App. S.C., reported, four times for being dirty, 10 hrs extra duty, and L. W. Dahl, oiler, neglect of duty and class. Hauled down and furled all fore and aft sail at 9:10; A German steamer passed outbound bound East at 10:30. At 11:35 exchanged numbers with the Scorpion. The school ship Saratoga also in the harbor. At 11:43 let go [illegible] anchor in 6½ fms water 30 fms chain. Bearings of anchorage - Cupola of jail N 68° E, San Cristobal staff, N 12° E, and Morro light house N 32° W. Ship's head East, all [p.s.c.] Draft of ship forward 15' 7" and aft 16' 3". At 11:55 the Scorpion made [illegible] which was answered by the afternoon. The Scorpion left the harbor at 12:00. The ship was boarded by health officer and [illegible] granted. Banked fires under A and B and distilling with C from 11:50. Exp steam 47.

Ralph Earle, Ensign U. S. N.

Meridian to 8 PM. Fair and pleasant. Moderate breeze from E. N. E. Fires banked in boilers A and B. Distilling from boiler C. At 1:30 all apprentices, divisions instructed in seamanship. At 3:30 exercised, manning boats crews of 2nd cutter and dinghy under oars. The Captain made an official visit on the Commandant of the Station and on the Commanding Officer of the [illegible] School ship "Saratoga" and received an official visit from the latter. Moored ship outside. J. H. Brown, Lieut U. S. N.

8 to 8 AM. Fair and pleasant. Moderate to gentle E. N. E'ly breeze. At 4:30 mustered at quarters and served out clean hammocks. Distilling with C boiler. Fires under A and B died out at 7:00. The Captain received officially on the Governor of Porto Rico. By order of the Captain placed the following in double irons for the night:- F. Bromberger, Cap. M. Fitzgerald, Eds. F. Bloch, A.S.C. W. L. Turner, A.S.C. E. Kelly, A.S.C. W. H. Chesley, A.S.C. and W. P. Flaherty, A.S.C. The Chaplain delivered a lecture on Porto Rico to the apprentices. At 5:30 sent down light yards and masts.

Ralph Earle, Ensign U. S. N.

8 PM. to Midnight. Clear and pleasant. Light airs to moderate breeze from N E by E. Steam in boilers C. Distilling.

J. H. Brown, Lieut U. S. N.

Examined and found to be correct.

E. F. Leiper Lieut U. S. N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Harbor at San Juan P.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, tenths.	State of the Sea.
A. M.																		
1				S.E by E	S.E.	1			30.17	80	79	76		h.c.m.	b.Cu	C	3	
2				S.W by W.	"	1			30.15	79	77	76		"	"	"	3	
3				West	S.W.	1			30.15	78	76	75		h.c.m.	"	S	4	
4				S.W by W	"	1			30.14	77	75	75		"	"	"	4	
5				"	Calm	0			30.14	77	75	75		"	"	"	4	
6				"	"	0			30.14	77	75	75		"	"	"	4	
7				W by S	West	1			30.12	77	75	75		"	"	"	4	
8				"	"	1			30.15	79	77	76		h.c.m.	"	"	3	
9				"	"	2			30.18	79	78	77		"	"	"	5	
10				E.N.E	N.E.	3			30.19	80	82	77		"	N.Cu	"	6	
11				S.E.	S.E.	3			30.20	79	80	76		h.c.p.	"	"	8	
Noon.				"	"	4			30.19	80	82	79		h.c.m.	"	"	8	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 850 gallons.

Water during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 1168 lbs.

Coal remaining on hand at noon, 60 " 2155 "

P. M.																		
1				E.N.E.	E.N.E.	2			30.16	80	84	80		h.c.	S.Cu	C	8	
2				N.E by N.	N.E.	1			30.13	81	86	80		"	S.Cu Cu.N	"	9	
3				"	"	1			30.11	81	83	80		h.c.p.	"	"	7	
4				N.E by E.	"	1			30.09	80	83	80		h.c.	S.Cu	"	8	
5				E.N.E	E.N.E.	2			30.07	81	82	81		h.c.m.	Cu.N	N.C	7	
6				E.S.E.	"	2			30.08	81	81	81		h.c.p.	"	"	9	
7				E.S.E.	East	1			30.10	81	79	78		"	"	"	9	
8				E by S	E.N.E.	2			30.11	82	77	76		h.c.m.	Cu.N	"	5	
9				"	"	1			30.16	82	77	76		"	"	"	9	
10				"	"	1			30.17	82	77	76		"	"	"	8	
11				"	Calm	0			30.18	80	77	76		"	"	"	7	
Mid.				"	"	0			30.15	80	77	76		"	S.Cu	"	7	

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday April 16, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 AM- Fair and pleasant. Barometer fell slightly. Light variable airs

4 to 8 AM- Fair and very hot. Calms and light West'ly airs. Scrubbed hammocks. Did not send apprentice lower mast head on account of mast's being down. At 5:00 by order of the Captain released from confinement: P. Bromberger, Cox., M. H. Fitzgerald, Lds., P. Black, A3C., W. D. Turner, A3C., E. Kelly, A3C., W. H. Eberlin, A3C., J. J. Flaherty, A3C. Rec'd on Pay Dept. 22.34 lbs each of fresh meat and vegetables and 18 lbs bread. At 8 crossed light yards and sent up topgallant masts. Distilling with 2 boilers.

Raph Earle, Ensign U.S.N.

8 AM to Meridian- Fair and warm. Light to moderate breeze from West, NW and SE. At 7:30 mustered and inspected at quarters and gave divisions setting up exercise and divisional routine drills. At 9:45 dressed battalion equiped in light marching order. Steaming 2 boilers & Distilling. At 11 the Instructional School Ship Saratoga left the harbor in tow of the tug "Uncas". A Medical Board for the examinations of Lieuts E. L. Beach and W. F. Baker met on board at 10:00 and adjourned at 11:45. A Medical Board of survey met on board. C. Roth, Lds was relieved from solitary confinement and placed in single irons for safe keeping and C. W. Lester, Appr 2 C. was placed in solitary confinement on bread and water for three days in accordance with punishment awarded by the Captain.

F. H. Brown, Lieut U.S.N.

Meridian to 8 PM- Cloudy and generally pleasant. Heavy rain showers at 2:40 PM. Barometer falling. Light breze from E. to E.S.E. A light kino from the N.E. At 5:30 dipped down scrubbed hammocks and piped to quarters to turn them in. Serving out clothing and small stores. At 8:00 sent away all boats for clearance under oars until 8 PM. During the above period all dinning had watering stages. The Schooner Eagle came in and anchored at 7:00 PM.

W. H. Baker, Lieut. U.S.N.

8 to 8 PM- Cloudy weather, with passing showers. Light airs and light breze from E. to E.S.E. to East. At 4:30 mustered at quarters and gave divisions setting up exercise. At 5:30 sent down topgallant and royal yards. The following were confined for the night in double irons, M. Fitzgerald, Lds, W. J. Sunday, A3C., E. Kelly, A3C., W. H. Eberlin, Appr 2C., J. J. Flaherty, Appr 2C. The Captain made an official visit on the Senior Military Officer commanding the Military forces. The U.S.R.C. Collier, Chantal came into the harbor at 5:30 and the U.S. Tug Potomac left the harbor at 5:40. Steaming 2 boilers C. Distilling. Sent liberty party ashore.

F. H. Brown, Lieut U.S.N.

8 PM to Midnight- Cloudy. Light airs from E.S.E. to Calm. Barometer fair slightly at 10 PM. Stopped distilling. Shut dying out of boiler C.

F. H. Brown, Lieut U.S.N.

Examined and found to be correct.

S. F. Leiper.
Navigator.

4-205

LOG of the UNITED STATES *Training Ship Essex* 3rd **Rate,**

At Anchor at San Juan P.R. W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
A. M.																		
1	At Anchor			E S E	East	3	—		30.10	79	77	77		b c cu	Cu St	N E	10	
2				S E by E	N E by E	2	—		30.10	79	77	77		"	"	"	10	
3		"		S E by E	N E by E	2	—		30.09	79	76	76		o c	"	"	10	
4		"		S S W by W	W S W	2	—		30.08	79	75	74		b c	Cu St	—	7	
5		"		S	Calm	0	—		30.08	78	74	74		"	"	—	4	
6		"		S	"	0	—		30.08	77	74	74		"	Cu	—	4	
7		"		"	"	0	—		30.09	77	74	74		"	"	—	4	
8		"		S by W	"	0	—		30.10	78	75	74		"	"	—	4	
9		"		E S E.	S E.	1			30.12	79	81	80		b c cu	Cu	—	3	
10		"		"	"	1			30.15	81	84	80		"	"	—	3	
11		1		N E	N N E	2			30.17	83	86	81		"	a cu	—	1	
Noon.		"		N N E.	N E.	2			30.18	84	87	82		"	Cu	—	5	

Position at 8 A. M. { Latitude by ° ′ ″ — Mary Temp 80-84 Aft 81-86
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5550 gallons.

Water during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 1 tons, 60 lbs.

Coal remaining on hand at noon, 59 " 1428 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
P. M.																		
1	At Anchor			N E	N E	3			30.15	81	87	82		b c	Cu Fr Cu	E	5	
2		"		"	"	3			30.12	81	87	82		"	"	"	6	
3		"		"	"	4			30.10	81	86	82		"	"	"	6	
4		"		N E by E	"	4			30.09	81	84	81		"	"	"	7	
5		"		N E	"	3			30.08	81	82	80		"	"	"	7	
6		"		"	"	3			30.08	81	80	78		"	S Cu Cu St	N E	8	
7		"		E N E	"	2			30.08	81	79	78		"	"	"	8	
8		"		"	"	2			30.08	81	78	78		"	a cu Fr Cu	"	8	
9		"		S E by E	East	1			30.11	81	80	79		"	"	"	5	
10		"		S W by S	N N	2			30.14	80	79	78		"	"	"	5	
11		"		S W	West	2			30.15	78	77	76		b c cu	"	—	4	
Mid.		"		S W by S.	"	2			30.18	77	76	76		b c	"	—	3	

under the command of Commander R. B. Davenport, U. S. Navy,

Wednesday April 7, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended at 12 M.- Cloudy with heavy squalls during first two hours. Light airs from East hauling to N.E. by way of South and West, latter part of time backing to N.W. & W. Barometer normal. Tube drying out in B boiler. George N. Hayward Lieut U.S.N.

12 to 8 AM.- Partly cloudy weather. Calm. At 8 AM crossed topgallant yards, royal yards. Liberty party returned aboard. Fires out in boiler C at 6 AM. Received on board 3253 lbs beef, 2 sacks of fresh meat and vegetables, and 1831 lbs fresh bread. J.H. Brown Lieut U.S.N.

8 to Meridian:- Clear and hot. Light airs to light breezes from S.E. to N.E. Barometer rising. W.P. Dickenson, O.S.C., released from confinement and S.E. Steele, O.S.C., placed in solitary confinement on bread and water for three days by order of Comdg Officer. During 1st and 2nd drill periods had routine drills. The Commandant of Naval Station returned official of the Captain at 11 AM. The Det. Gov. of Colla Rica returned official visit of the Captain at 11 AM, receiving appropriate side honors and when leaving received a salute of 17 guns, the American flag displayed at the fore. The Comdt & the Military forces paid an official visit on the Comdg Officer. The P.R.R.S.S. Alfonso Pons Diaz entered harbor at 10 AM. W.P. Brown Lieut U.S.N.

Meridian to 4 PM.- Fair and warm weather. Gentle breezes from N.E. increasing to moderate breezes. Barometer falling. At 1:30 had third period routine drills. At 3:05 sent out the whale boat and all the cutters for pursuit under oars. By order of the Captain, F. Mackey, Apprentice 3 class is to be placed in double irons for ten hours for having money belonging to another person in the navy. U.S.S. Cincinnati. The French mail steamer Ville de Marseilles entered. George N. Hayward Lieut U.S.N.

4 to 8 PM.- Fine and warm. Gentle to light breezes from N.E. by E. to E.N.E. Barometer steady. At 6:30 mustered at quarters. At 7:45 sent down topgallant mast. The following persons of the crew were confined in double irons for the night according to punishment imposed by the Comdg Officer: W. Fitzgerald 3d class and T.J. Flaherty, E. Kelly, W. Englund, W.J. Sumner and F. Mackey all O.S.C. W.P. Brown Lieut U.S.N.

8 PM to Meridian:- Fair and warm weather with light airs from same during third hour. Light airs from East hauling to N.N. then backing to West and N.W. generally. Light breezes. Barometer normal. George N. Hayward Lieut U.S.N.

Examined and found to be correct.

F. F. Lee Lieut U.S.N. Navigator.

4-956

LOG of the UNITED STATES Steaming Ship Essex 3rd **Rate,**

At Anchor at San Juan PR

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes.	State of the Sea.
A. M.																		
1	At Anchor			S.W.	West	1			30.13	79	76	76		b.c.p.	Cirri	N	1	
2	"			W.S.W.	"	1			30.11	79	76	76		b.c.	"	"	5	
3	"			"	"	1			30.08	78	75	75		"	Cu	"	5	
4	"			S.W by W.	"	1			30.06	78	75	75		"	"	"	3	
5	"			"	"	1			30.06	78	75	75		"	"	"	3	
6	"			"	"	1			30.08	78	75	75		"	"	"	7	
7	"			"	"	1			30.09	78	75	75		"	"	"	5	
8	"			S.W.	Calm	0			30.10	78	76	75		"	Cu Ni	Ni	3	
9	"			"	"	0	—		30.11	78	76	75	—	"	"	"	4	
10	"			S.W by S	N.E.	1	—		30.13	79	80	78	—	"	"	"	4	
11	"			N.E by E	"	2	—		30.15	79	81	79	—	"	"	"	5	
Noon.	"			"	"	2	—		30.15	79	82	80	—	"	"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Tempest
Longitude by ° ′ ″ Fm[d] Mp

Position at noon: { Latitude by observation ° ′ ″ 86-82 80-79
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, " "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes.	State of the Sea.
P. M.																		
1	At Anchor			E.N.E.	N.E.	3			30.11	81	84	81		h.q.m.	Strat Cu	N.E	2	
2	"			"	"	3			30.11	81	84	81		h.c.	"	"	3	
3	"			N.E.	"	1			30.14	81	86	81		"	"	"	2	
4	"			N.E by E.	"	4			30.12	81	83	80		"	"	"	4	
5	"			"	E.N.E.	4			30.11	80	81	80		"	Cu Ni	"	5	
6	"			E.N.E.	"	4			30.11	80	80	80		"	Cu Ni	"	7	
7	"			N.E.	"	4			30.13	80	80	80		"	"	"	7	
8	"			E.N.E.	"	3			30.11	80	80	80		h.c.l.	"	"		
9	"			East	East	3			30.13	81	78	77		h.q.m.l.	"	"	2	
10	"			"	"	2			30.16	81	78	70		"	Cu Ni	East	2	
11	"			E.N.E.	E.N.E.	2			30.17	81	77	75		h.c.l.	"	"	2	
Mid.	"			"	"	1			30.19	80	76	75		h.c.	None	—	—	

under the command of Commander R. D. Dunspat , U. S. Navy,

Thursday April 18th ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM: Clear and pleasant. Light airs from W. Passing shower first hour. E. L. Beach Lieut U. S. N.

At 8 PM: Fair and pleasant. Light W'ly airs to calms. Barometer rising. At 9 PM mustered and sent apprentices down to bed. At sunrise half masted colors and fired one gun as a mark of respect to the late Ex President Benjamin Harrison. At 8 exchanged Light yards. The following stores were received in Chalons 183 lbs fresh meat and 230 lbs fresh meat and 230 lbs fresh vegetables. The following members of ships crew released from confinement at all hands. J.H. Fitzgerald, Sea., T.J. Flaherty, E. Kelly, H. Eberlein, W.J. Sunny, and T. Mackey all Apps 2 Class. W.B. Wilson Lieut U. S. N.

At 12 M: Meridian: Fair and warm weather. Calm to light airs from S.E. increasing to light breezes. Barometer normal. At 2:45 loosed sail to a puff. At 3:00 fired a gun and struck half mast thereafter, and kept the colors at half mast. At 4:30 cast loose and provided and exercised at quarters for action. At 5:15 had second general quarters drill. The French mail steamer "Ville de Marseilles" sailed. At 6:15 received signal from Naval Station "Commandant would like to see Captain". The Captain awarded punishment as follows: for smoking, extra duty: to P.A. Surgeon F.H. Lemly, P. Cadet A. Fischer and N.B. Coleman, 4 hours; to G.C. Engleberg and J.W. Hopp, 8 hours; and to J.L. Stiger, 12 hours: for chewing tobacco, to W.R. Smith 8 hours and to W.H. Turney 8 hours extra duty; to L.E. Gray Apprentice 2 Class for having tobacco, thereon extra duty: for being reported five times daily, extra duty as follows: to W.H. Potts, R. Bogart, A. Hedrick, and C.B. Edgerly, 6 hours; to P.A. Gunner J.C. Manning, P.A. Baker, P. Phillips and E.O. Rychel, 20 hrs; to P. Mate J. Murphy, U.S. Turner, and T.H. Kelly, 30 hours: and to J.J. Moss Seaman, for returning light from liberty, second class, all but Moss being Apprentices 2 Class E. Taylor, Coxswain, Seaman and R. double ironed to await trial for smuggling liquor, painting the sheer rail on the quarter deck Sept 17 No 9 directing certain mourning for the death of Ex President Grover Cleveland. George N. Hayward Lieut U. S. N.

At 4 PM: Meridian: Fair and warm. Gentle to moderate breeze from S.E. At 4:00 hauled sail. At 4:30 hoisted all apprentice divisions, until 5:15 marline spike seamanship. From 5 to 6 sent out boats for general Understanding. Colors at half mast, and continued firing a gun each half hour. E. L. Beach Lieut U. S. N.

At 8 PM: Fair and warm weather with lightning in the West at the end. Moderate breeze from E.S.E. to E. Barometer normal. At 8:30 mustered at quarters. At 9:30 sent down light yards. Fired a gun at 4:05, 4:35, 5:05, 5:35, 6:05 and at sundown with colors at half mast. The steamer California U. Sparkid. M. Fitzgerald, Landsman and W.J. Turner, T. Mackey, E. Kelly and H. Eberlein, Apprentice 2 class, are placed in double irons. George N. Hayward Lieut U. S. N.

8 PM to Midnight: Fair and warm. Light breeze from E.S.E. E. L. Beach Lieut U. S. N.

Examined and found to be correct.

E. F. Leyser. Navigator.

4—208

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at San Juan PR

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, Average.	State of the Sea.
A. M.																		
1	At Anchor			S Ely E	S E.	1			30.16	79	78	78		h.c. N	Ci	E	2	
2	"			"	"	1			30.15	79	77	77		"	"	"	2	
3	"			S E.	Calm	0			30.15	79	77	77		"	"	"	2	
4	"			S by W.	S W.	1			30.15	78	77	77		"	"	"	2	
5	"			S & S E.	S E.	1	—	—	30.12	78	77	77	—	h.c.	Ci Cu	"	3	
6	"			S E.	"	2	—	—	30.12	78	77	77	—	"	"	"	7	
7	"			"	"	1	—	—	30.12	78	77	76	—	"	"	"	8	
8	"			S W.	Calm	0	—	—	30.12	78	77	76	—	"	"	"	7	
9	"			Ely S	S E.	1			30.20	79	81	81		h.c.m.	"	"	5	
10	"			"	"	3			30.20	80	84	81		"	"	"	5	
11	"			Ely N	East	4			30.20	81	84	81		"	"	"	5	
Noon.	"			"	"	4			30.19	81	84	81		"	"	"	5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ Fonda Afg.

Position at noon: { Latitude by observation ° ′ ″ 83-83 81-80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, tons, 2080 lbs.

Coal remaining on hand at noon, 58 " 1838 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, Average.	State of the Sea.
P. M.																		
1	At Anchor			E N E.	E S E.	4	—	—	30.18	81	86	82	—	h.c.	Cu	E	3	
2	"			"	"	4	—	—	30.15	82	86	82	—	"	"	"	3	
3	"			Ely S	"	4	—	—	30.12	82	86	82	—	"	"	"	5	
4	"			W S by E	"	4	—	—	30.10	82	85	81	—	"	"	"	4	
5	"			E N E.	S E.	4			30.11	81	82	79		h.c.s.	Cu St	N E	5	
6	"			"	"	4			30.12	81	80	79		"	"	"	5	
7	"			North	E S E.	3			30.14	82	79	77		"	Cu St	"	6	
8	"			"	"	2			30.16	82	78	76		h.c.	"	"	6	
9	"			S W.	East	2	—	—	30.13	82	78	76	—	h.c.l.	Cu	E	3	
10	"			S S E.	E S E.	2	—	—	30.15	82	78	76	—	"	"	"	3	
11	"			E S E.	"	2	—	—	30.15	81	78	76	—	h.c.	"	"	3	
Mid.	"			S by E	"	1	—	—	30.15	80	78	76	—	"	"	"	3	

under the command of Commander R. G. Davenport, U. S. Navy,

Friday April 19, 1901.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM:- Clear and pleasant. Calms with light variable airs.

Ralph Earle, Ensign U.S.N.

4to 8 PM:- Cloudy and pleasant weather. Light airs to light breeze from S.E. and Calms. Barometer steady. Received on Pay Lighterage 153 pounds of bread and 228¾ lbs of meat and of vegetables. The Ls.S. Spay Callie Hannibal Fields and the steamers Ponce [U.S.] and Iolia [U.S.] entered. M. Fitzgerald, Landsman, and W.E. [illegible]ley, W. Gunn and E. Kelly, Apprentices 2 class are released.

George N. Haywood, Lieut U.S.N.

8 PM to Meridian:- Fair and warm. Light airs to moderate breeze from S.E. to E. Went to quarters at 9:30. "Fire Quarters" was sounded at 9:44. Divisions reporting as follows: 1st, 1 mas; 1 sn. 2; 2nd, 2 ½; 1st, 2 ½; 2 th, 2 ½; 3d, 3; 4th, 2; Provisions all sounded at 9:53. Abandon ship at 10:02. All boats reported at R.V. Boats were towed and stood off. At 10:30 had fleet tactics, boats under sail. Punishments were awarded by Comdg Officer as follows: C. Barnes, App 2 class, chewing tobacco, 16 hours extra duty. F.R. Smith, App 2 cl, failing to break mail pennant when signal watch, 16 hours extra duty. M.M. Murphy, C.C. Edgerly, S.P. Howe, App 3 cl, all for smoking. Murphy 8 hrs, extra duty, Edgerly and Mckenna, 6 hrs extra duty. A. Hanson, Seaman, Disobedience of orders, 3 nights in double irons. C. Reid, S.C. 3 cl, smoking in commissary locker, 3 nights in double irons. Acting appointment of A. Sheriff, D.M. 3 cl, was revoked for 2 months from this date. By order of Comdg Officer, J.W. Fetter, App 3 cl, was released from confinement, term of opening and A. Hennis, App 3 cl, was placed in solitary confinement on bread and water for 3 days as per assigned punishments. Spanish steamers Estrella Cavy and Maria, came in and anchored also Spanish steamer Emma Knowlton.

E.L. Beach, Lieut U.S.N.

Meridian to 4 PM:- Fair and pleasant, Moderate E.N.E. by brize. Barometer falling. Visited magazine flood and drained cooks and found them in good condition. From 1:30 to 2:15 all divisions engaged in overhauling battery. Paid monthly money to apprentices. From 2:30 to 3:15 opened all cutters under sail. A Board of Survey, Surgeon P.M.J. Wilbur, U.S.N. met in Medical Department. American steamer "Catalina" came into port and the "Port Rico" left. Sent plunger rod of fuel pump and the b.p. crank pin brasses to Syndicate Colon of San Juan for repairs.

Ralph Earle, Ensign U.S.N.

4 to 8 PM:- Fair and warm. Moderate breeze from N.N.E. Went to quarters at 4:30. At 5:40 sent down royal yards. E.J. Hayley Coy, was given specifications of an offense for which he will be tried by S.C.M. The following were put in double irons for night at 5:50 as per assigned punishment: W. Charlmers, P. Mackey, W.F. Turner, E. Kelly, apprentices 2 cl, C.F. Reid, S.C. 3 cl, A. Hanson, Seaman, at 7:00 M. Fitzgerald, Landsman.

E.L. Beach, Lieut U.S.N.

8 PM to Midnight:- Fair and pleasant. Light East'ly to E.S.E'ly airs and breeze. Barometer steady.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leighton, Lieut U.S.N. Navigator.

4—263

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at San Juan P. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At Anchor			E by E.	East	2			30.17	80	76	75		h.cm	Cu	—	2	
2				E by S		2			30.17	80	76	75		h.a	Scu	—		
3				E.S.E.	E.S.E.	1			30.16	79	75	74		h.c.w	Cu	—	2	
4				"	"	1			30.12	78	75	74		"	Cu	—	5	
5				S.E.	Calm	0			30.10	80	75	75		"	"	—	4	
6				S.E by E	"	0			30.10	80	76	75		"	"	—	3	
7				S.S.E.	"	0			30.10	80	76	76		"	"	—	3	
8				South	E.S.E.	1			30.17	82	82	77		h.cm	S.cu	—	4	
9				"	"	1			30.18	82	83	78		"	Cu	—	4	
10				E by S	East	3			30.18	82	84	79		"	"	—	3	
11				"	"	3			30.18	83	84	79		"	Cu	—	3	
Noon.				"	"	3			30.18	83	85	80		"	"	—	3	

Position at 8 A. M. { Latitude by ° ′ ″ Flag Staff
Longitude by ° ′ ″ Point Mt.
86-84 81-80

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 68 " 1838 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	"			E.N.E.	E.N.E.	4			30.14	81	83	80		h.cm	Acu	E	5	
2	"			"	"	4			30.11	81	85	80		"	"	"	4	
3	"			"	"	4			30.10	81	85	80		"	"	"	5	
4	"			"	"	4			30.09	82	84	80		"	"	"	5	
5	"			East	East	4			30.09	82	84	80		h.c.	Cu	"	4	
6	"			S by E	S.E.	3			30.08	82	82	77		"	Cu	"	3	
7	"			South	"	3			30.08	81	82	77		"	"	S.E.	2	
8	"			S.W.	"	2			30.09	82	80	77		"	"	"	2	
9	"			S.W by W	South	1			30.13	81	80	77		"	"	"	2	
10	"			W.S.W.	"	1			30.14	81	80	77		h.cm	"	"	2	
11	"			S.S.E.	S.E.	1			30.14	80	79	77		"	"	"	3	
Mid.	"			South	South	2			30.14	79	78	76		"	"	"	3	

under the command of Commander R. G. Davenport, U. S. Navy,

Saturday April 20, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM: Clear and pleasant Light airs and light breezy from East to E.S.E.

J. H. Brown Lieut U.S.N.

4 to 8 AM: Fair and warm. Calm, Slight drizzle last hour. Aired bedding &c in accordance with prescribed order of Cond'g Officer. Released from confinement A. Hanson, Sea, C. F. Reid, S. C. 3 Cl, M. Fitzgerald, Lds, W. Ebelin, T. Mackey, E. Kelly, and W. J. Turner, App. 3 Cl. At 8 AM crossed royal yards. Fresh provisions received this Day Dept. as follows: 228 lbs Mc each of fresh meat and vegetables and 163 lbs fresh bread.

E. J. Beaca Lieut U.S.N.

8 AM to Meridian:- Fair and pleasant Light E. Kelly was first hour with gentle Easterly wave remainder. General cleaning day. At 10.30 went to quarters and inspected Lawrence by Schooner [U.S.] Ella of Simpson left harbor. The Captain assigned following punishments: E. O. Reichel, A 3 Cl, Neat deficiency of orders, having quarter deck squad and pouring in swimming, 2 nights in double irons. C. J. Barnes, A 3 C, Neat disobedience of orders, 2 nights in double irons. By order of the Captain E. E. Slate, A 3 C was released from confinement his term having expired, and E. Kelly, A 3 C was placed in solitary confinement on bread and water for five days as for punishment previously imposed.

Ralph Earle Ensign U.S.N.

Meridian to 4 PM:- Fair and warm. Moderate breezy from E.S.E. At 2.00 hoisted smoke pipe. At 3.00 sent liberty party of men and boys ashore. Out on main yard and mast covers.

J. H. Brown Lieut U.S.N.

4 to 8 PM:- Fair and pleasant. Moderate to light East'ly to S. E'ly breezy. At 4.40 started fires in Cutter for distilling purposes. By order of the Captain placed the following in double irons for the night: M. Fitzgerald, Lds; A. Hanson, Sea, C. F. Reid, S. C. 3 Cl; W. J. Turner, A 3 C; W. W. Ebelin, A 3 C, T. Mackey, A 3 Cl, E. O. Reichel, A 3 Cl, and C. J. Barnes, A 3 C. Liberty party of boys returned at 5.45. Steamer Tonce [U.S.] left port.

Ralph Earle Ensign U.S.N.

8 PM to Midnight:- Clear and pleasant. Light airs from South to S.E. At 10.00 commenced distilling, steam in boiler C.

J. H. Brown, Lieut U.S.N.

Examined and found to be correct.

E. F. Lau[illegible] Lieut U.S.N. Navigator.

4—316

LOG of the UNITED STATES Training Ship Essex 3d **Rate,**

At Anchor at San Juan P.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1			At Anchor	S by E	South	1	—	—	30.12	79	77	76		h.c.	Cu	E	3	
2			"	S.E.	Calm	0	—	-	30.09	79	77	76		"	"	"	1	
3			"	"	"	0	—	-	30.07	79	77	76		"	"	"	1	
4			"	"	East	1	—	-	30.07	78	77	76		"	Scu	"	3	
5			"	E by E.	"	1			30.06	87	77	76		"	"	"	4	
6			"	South	Calm	0			30.05	87	77	76		"	Scu	"	4	
7			"	"	"	0			30.05	81	79	77		"	"		3	
8			"	"	"	0			30.05	81	80	78		"	"		3	
9			"	East	E by E	2	-	-	30.10	81	81	77		"	Cust	E	5	
10			"	S.E.	"	1	—	-	30.12	81	82	78		"	Cu	"	4	
11			"	E by E.	E by E.	1	—	-	30.13	81	84	80		"	"	"	5	
Noon.			"	E by S	East	2	—	-	30.11	81	85	81		h.c.g.m.	Cust	"	7	

Position at 8 A. M. { Latitude by ° ′ ″ May Temp. Wet 84 Wet 80 85–84 · 81–80
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 850 gallons.

Water Distillers during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 300 "

Coal consumed during the preceding 24 hours, tons, 1100 lbs.

Coal remaining on hand at noon, 38 " 238 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1			At Anchor	East	East	3			30.11	81	86	81		h.c.s.	Cust & Cu	E.	6	
2			"	E by E.	"	3			30.10	82	86	81		h.c.m.	Cust & Cu	"	5	
3			"	"	"	4			30.08	87	84	81		h.c.s.	"	"	6	
4			"	N by E	E by E.	3			30.07	82	82	79		h.c.m.	"	"	7	
5			"	E by E.	"	4			30.07	81	83	80		"	"	"	8	
6			"	"	"	4			30.08	80	79	77		"	A.Cu	4	7	
7			"	E by E.	East	4			30.09	80	78	76		"	"	4	6	
8			"	E by S	"	4			30.10	80	78	76		"	"	"	6	
9			"	North	E by E	3			30.12	80	77	76		h.c.m.	A.Cu	N.	4	
10			"	N.W.	S.E.	3			30.12	80	77	76		h.c.	Cust	"	2	
11			"	W by N.	"	3			30.14	80	77	77		"	"	4	3	
Mid.			"	S by W.	"	3			30.15	79	77	77		"	"	"	6	

under the command of Commander C. F. Davenport, U. S. Navy,

Tuesday April 21, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 8 AM: Clear and fine Light airs to calms. Barometer fell slowly. Distilling with boiler C in use. J. Gabel, J. Gary, D. Jarl, J. Carney and C. Andgary, all App 3 Cl., attached this over time.

W. H. Brown Lieut U.S.N.

8 to 8 PM: Fair and warm. Calms and light variable airs. Mustered and sent appretices over topmast crosstrees. At 5:00, by order of the Captain, released from confinement the following: M. Fitzgerald, Jds. A. Hanson, Sea. E. F. Reid, S 6 3 Cl., W. J. Turner, App 3 Cl., W. H. Charlin, App 3 Cl., Pitzpatrick, App 3 Cl., E. O. Rechel, App 3 Cl., and C. J. Barnes, App 3 Cl. Received in Dept of Supplies 228# the mark of fresh meat and vegetables and 183 lbs of bread. Distilling, boiler C in use. Steamer Joria (Spanish) of Bilboa left harbor.

Ralph D. Earle, Ensign U.S.N.

8 PM to Meridian: Fair and warm. Light airs to gentle breze from E.S.E. to E. by S. At 7:30 mustered and inspected all quarters, then marched to muster and held quard muster of ships company. Absentees: C. W. Abrams, J. H. Allen, L. Boyd, F. F. Brown, J. A. Driscoll, C. H. Elliott and R. A. Fowler, Apprentices 3 Cl. L. D. Dahl, Orderly. J. Scully, Ch. Q. M., N. Gibson, S. M. 2nd Cl., and L. M. Reilly, B. M. 1 Cl. A reward of $100 each was offered for the apprehension and delivery on board of the above named absentees. At 9:30 received a signal, Army & Navy code, from Naval Station "Send boat for three of your men". Sent Chief Master at Arms to Naval Station, and he returned and brought on board J. H. Dahl, Orderly 2 hours overtime and J. H. Allen and J. A. Driscoll, Apprentice 3 Cl. 1/2 hour overtime. Steamer in harbor C. Distilling. At 10:30 held Divine Service.

F. F. Brown Lieut U.S.N.

Meridian to 8 PM: Cloudy and overcast. Barometer fell slightly. Quite Easterly breze. At 1 PM sent liberty party of men and boys. Distilling, boiler C in use.

L. Reilly, B. M. 1 Cl., returned 6 hours overtime.

W. H. Brown Lieut U.S.N.

8 to 8 PM: Fair and warm. Moderate breze from E.N.E. to East. The following absentees returned aboard A. W. Abrams, App 3 Cl. 3 hours overtime, H. Gibson, S.M. 2 Cl. 4 hours overtime. The following were brought on board by the Local police and a reward of $10 each paid for them: F. A. Brewer, App 3 Cl. and R. A. Fowler, App 3 Cl. took 23 hours overtime. The liberty party of apprentices returned on board at 5:00 except J. E. Landis, E. J. Mahon, W. A. Murphy, C. R. Winston, G. Rebeldifer, J. McDonell, W. Stelzer, J. E. Sanders, W. A. Travis, and W. Watkins, Apprentices 3 Class. J. A. Steger, App 3 Cl. returned from liberty tight and was placed in double irons for safe keeping. The following were confined in double irons for the night: M. Fitzgerald, Jds, A. Hanson, Sea, E. F. Reid, S 6 3 Cl., W. J. Turner, App 3 Cl., W. H. Charlin, App 3 Cl., J. Mahlen, App 3 Cl. and E. O. Rechel, App 3 Cl. Steam in boiler C. Distilling. The key connecting rod and crank pin key on steam launch came out while the launch was making trip. The launch went along side the Hancock and the key was replaced.

F. F. Brown Lieut U.S.N.

8 PM to Midnight: Cloudy and pleasant. Gentle breze from S.E. Barometer rising. Moon set at 9:55. J. Gabel, C. M. returned from liberty 4 hours overtime. J. M. [illegible] Cl. A. C. returned from liberty 4 1/2 hours overtime drunk and was placed in single irons for safe keeping. Distilling, boiler C in use.

W. H. Brown Lieut U.S.N.

Examined and found to be correct.

C. F. Lenper, Lt. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At Anchor at San Juan P.R.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At Anchor			S.S.E.	South	3	—	—	30.18	78	77	76	—	b.c.m.	a Cu. st Cu	S.	"	—
2	"			S by E	"	3	—	—	30.10	78	77	76	—	"	"	"	6	—
3	"			S.E. by S	"	3	—	—	30.10	78	77	76	—	"	a Cu	"	7	—
4	"			S.E.	"	3	—	—	30.09	78	77	75	—	"	"	"	6	—
5	"			"	"	1			30.09	79	77	75	—	"	"	"	6	—
6	"			"	"	1			30.08	79	77	75	—	"	"	"	7	—
7	"			"	"	1			30.10	79	79	77	—	"	"	"	3	—
8	"			"	"	2			30.10	79	80	77	—	"	"	"	3	—
9	"			S.E. by E	East	2			30.17	81	85	80	—	b.c.m	Cu	East	4	—
10	"			E.S.E.	"	3			30.18	81	85	81	—	"	"	"	6	—
11	"			"	"	3			30.15	81	85	81	—	"	"	"	7	—
Noon.	"			S.E.	S.E.	4			30.16	81	85	80	—	"	"	"	7	—

Position at 8 A. M. { Latitude by ° ′ ″ Ship Tempest 1st C Aft
Longitude by ° ′ ″ 86-8+ 80-79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons, 2 1/15 lbs.

Coal remaining on hand at noon, 56 " 363 "

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At Anchor			S.S.E.	S.E.	1	—	—	30.15	82	85	80		b.c.	Cu	—	8	—
2	"			E.S.E.	"	2	—	—	30.12	82	88	82		"	"	—	6	—
3	"			S.E. by E.	"	4	—	—	30.10	84	88	84		"	"	—	5	—
4	"			S.E.	"	4	—	—	30.10	82	88	85		"	"	—	4	—
5	"			S.E. by S	S.S.E.	3			30.11	82	86	82		b.c.m	Cu.S.	—	5	—
6	"			"	"	3			30.12	82	83	79		"	"	—	5	—
7	"			South	"	2			30.16	83	81	79		b.c	Cu	—	2	—
8	"			"	"	2			30.18	84	71	79		"	"	—	3	—
9	"			S.W.	"	2	—	—	30.19	84	80	77	—	"	"	E	3	—
10	"			"	"	2	—	—	30.20	80	79	77	—	"	"	"	2	—
11	"			"	"	2	—	—	30.20	80	78	77	—	"	"	"	2	—
Mid.	"			"	"	1	—	—	30.20	80	78	76	—	"	1	5	1	—

under the command of Commander R. G. Davenport, U. S. Navy,

Monday April 22 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy and warm weather with a heavy sea. Gentle breeze from South. Barometer falling. Distilling with steam from C boiler. E.R. Ornston and W.C. Sanders, returned 4½ hours and E.J. Chevalier returned 2 hours overtime, all being Apprentices 3 class.

Geo. N. Hayward, Lieut. U.S.N.

4 to 8 AM. Fair and pleasant. Light airs and light breeze from South. Steam on boiler C. Distilling. At 5:00 crossed royal yards and sound sail. J. Rikeldifer, Opr 3 C. and W. Stelzer, Opr 3 C. returned on board 3½ hours overtime. Received on board 253½ lbs ice, fresh meat and vegetables and 113 lbs fresh bread.

M. H. Brown, Asst. Surg. U.S.N.

8 AM to Meridian:- Fair and warm. Gentle to moderate breeze from East to S.E. J. McConnell, A.S.C. and J. Stelzer, A.S.C. released from confinement. At 9:30 mustered at quarters, absentees: L. Boyd, A.S.C. and C. Elliott, A.S.C. During 1st dress period had routine drills. At 10:30 called all hands and furled sail. The Commanding Officer imposed the following punishments: J.H. Allen and J.A. Driscoll, A.S.C. 1 hours overtime 2 months 4th class, J. Conroy, J. Cadal, J. Carey and J. Jack, all A.S.C. 2 hours overtime, 3rd class; C. Anderson, A.S.C. 2 hrs overtime 4th class; L. Diehl, oiler, 2 hours overtime, 4th class; R. Brown, A.S.C. and S.O. Fowler, A.S.C. Brought on board by local police 23 hours overtime 4th class 2 months; F.W. Abrams, A.S.C. 23½ hours overtime 4th class 2 months; J.M. Kelly, B.M. 1 C. 6 hrs overtime 3rd class; A. Gibson, B.M. 2 C. 4 hrs overtime 4th class 2 months; J. Stelzer, A.S.C. returning from liberty under influence of liquor, 4th class 3 months; C. J. Barnes, A.S.C. and C. Kongsburg, A.S.C. leaving quarter deck squad without permission, 12 hrs extra duty; W.J. Turner, A.S.C. chewing tobacco 12 hrs extra duty; J.B. Davis, smoking on berth deck while confined, continued, on 4th class 2 months; J.C. Landis, A.S.C. 4½ hrs overtime 3rd class; C. Mahon, A.S.C. 8½ hours overtime 3rd class, R.A. Murphy, 4½ hrs overtime, 3rd class; E.R. Ornston, A.S.C. 7½ hrs overtime 3rd class; J.W. Bell, A.S.C. 4½ hrs overtime and drunk 4th class 2 months; C. Sanders, 7½ hrs overtime 3rd class; C. Mayer, A.S.C. 4½ hrs overtime, 3rd class; W. Watkins, A.S.C. 4½ hrs overtime 4th class, J. Eddy, C.E.M. 2 hrs overtime 4th class 2 months; W. Stelzer, A.S.C. 13½ hrs overtime 4th class 2 month; J. Rikeldifer 13½ hrs overtime 4th class, F.J. Clark, A.S.C. having tobacco in his possession 8 hrs extra duty; A. Gelb having tobacco in possession 8 hrs extra duty, A. Stuckey, A.S.C. and E. Bischel, O.S.C. Distilling with both boilers. 16 gals used.

W.S. Brown Lieut. U.S.N.

Meridian to 8 PM. Cloudy to fair and very warm weather. Light airs from S.E. increasing to moderate breeze. Barometer falling. Had seamanship instruction during third period and at 3:00 exercised Watch under oars. Distilling with steam from C boiler. Received on board 200 lbs ice.

Geo. N. Hayward Lieut. U.S.N.

8 to 8:30 PM. Fair and pleasant. Gentle to moderate breeze from S.E. Barometer rising. At 8:30 mustered at quarters. At 6 PM sent down top gallant masts. The following members of the ships crew were confined for the night: W. Fitzgerald, Lbs; A. Johnson, Sea; C.E. Reid, B.M. 2 C., W.J. Turner, W. Ebbelin, F. Mackey and E.O. Bischel all Opr 3 C. Boiler C in use for distilling.

W.S. Brown Lieut. U.S.N.

8 PM to Midnight:- Fair and warm weather. Light breeze from S.E. falling to light airs. Barometer steady. Distilling with steam from C boiler. At 10:30 Eng. Wagner went to sea.

Geo. N. Hayward Lieut. U.S.N.

Examined and found to be correct.

E. F. Lucas Lieut. U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at San Juan P. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At Anchor			S.S.E.	Calm	0			30.18	80	77	76		h.c.m.	Cu	–	2	
2	"			"	"	0			30.17	80	77	76		h.m.	—	—	—	
3	"			S.E. by E.	E. by E.	1			30.16	79	77	76		h.c.m.	Cu	—	3	
4	"			"	"	1			30.18	79	77	76		"	Cu	—	4	
5	"			"	Calm	0			30.18	79	78	76		"	"	—	4	
6	"			"	"	0			30.18	79	78	77		"	"	—	8	
7	"			S.W.	"	0			30.20	79	78	77		"	"	—	3	
8	"			"	"	0			30.23	79	78	77		"	"	—	3	
9	"			E. by E.	East	2			30.28	80	80	78		h.c.m.	Cu	—	8	
10	"			"	"	2			30.28	80	80	80		o.c.f.	"	—	10	
11	"			South	S.E.	2			30.27	81	81	80		v.c.m.	"	—	10	
Noon.	"			North	N.N.E.	3			30.27	82	84	81		h.c.m.	"	—	8	

Position at 8 A. M. { Latitude by ° ′ ″ May Tenght.
Longitude by ° ′ ″ Good Appt.

Position at noon: { Latitude by observation ° ′ ″ 83-84 81-79
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at noon, 2680 "

Coal consumed during the preceding 24 hours, 1 tons, 915 lbs.

Coal remaining on hand at noon, 54 " 1689 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At Anchor			N.N.E.	N.E.	3			30.25	81	83	81		h.c.m.f.	St Cu	—	8	
2	"			E.N.E.	East	4			30.23	81	87	84		h.c.m.	"	—	8	
3	"			E. by N.	"	4			30.21	82	86	82		"	"	—	8	
4	"			"	"	4			30.20	82	85	82		"	"	—	7	
5	"			"	"	4			30.20	82	84	81		"	Cu	East	6	
6	"			"	"	4			30.19	82	82	81		h.c.	"	"	6	
7	"			East	"	1			30.18	81	82	81		"	"	"	5	
8	"			E. by S.	"	1			30.20	83	81	80		"	"	"	3	
9	"			"	"	1			30.26	82	80	79		h.c.m.	"	"	3	
10	"			S. by E.	S.E.	2			30.28	80	80	79		"	"	"	3	
11	"			S. by W.	"	2			30.28	79	79	78		h.c.m.	"	"	7	
Mid.	"			S.S.W.	"	2			30.31	79	78	78		"	"	"	2	

under the command of Commander R. H. Davenport, U. S. Navy,

Tuesday April 28, 190 /.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM. Warm and sultry. Calm and light airs from E. & E. Distilling from 4 boilers until 1:30 PM when stopped. E. L. Beach Lieut U.S.N.

8 to 8 AM. Calm and sultry. Barometer rising. Steam on boiler C. Appearance and unit from breeches that had been babbitted were brought aboard. The following stores received in Pay Department 217 lbs fresh meat and 172 lbs of fresh bread and 217 lbs fresh vegetables. The following members of crew were released from confinement at all hands. W. Fitzgerald Ldg. Seaman; C. Hanson, Sea; C. F. Reid, S.C. 3 C. and W. S. Turner, St. Eberlin, F. Mackey and E. C. Reichel, all App. 3 C. At 8 rounds light ports. W. L. Braun Lieut U.S.N.

8 AM to Meridian.

Cloudy and warm with a shower rain last half of second hour. Light airs from East backing to N.W. & and increasing to gentle breeze. Barometer high and steady. At 9:30 mustered at quarters. Absentees C. H. Elliott and L. Boyd, Apprentices 3 class. Had routine drills for first and second periods. The Captain awarded punishments as follows:- to W. Watkins for refusing to obey the orders of a petty officer, 10 hours extra duty; to W. S. Turner, 6 hours and to C. Reilly 8 hours extra duty for smoking, all being Apprentices 3 Class. Sham in C boiler. Received on Requisition 200 pounds of Sal soda. Stopped fire in C boiler. George N. Hayward, Lieut U.S.N.

Meridian to 4 PM. Warm and sultry. Winds be moderate breeze from N.E. to E. Barometer falling. Had routine drills 1:30 to 2:15. Exercised boats under oars from 3 to 4. At 4 PM. called all hands to muster, read findings and sentence in case of Edward Taylor, Jr. Act Cox. tried by S.C.M. for having in his possession a bottle of intoxicating liquor, sentenced to 30 days confinement in single irons for 30 days and to lose 1 months pay, amounting to $31.30. Sentence as mitigated by convening authority, loss of 1 months pay amounting to $31.30. Read min of Pay Department stores. Use of flour, Surplus & ammunition & edited unfavorable. E. L. Beach Lieut U.S.N.

4 to 8 PM. Fair and warm weather. Moderate breeze from East fading to light airs. Barometer steady. At 4:30 mustered at quarters. Absentees - C. H. Elliott and L. Boyd, Apprentices 3 Class. At 5:45 sent down light yards. J. Fiscus, was placed in double irons to await action for jumping overboard without leave and C. H. Elliott and L. Boyd were placed in double irons to await action for being 7½ hours overtime; all being Apprentices 3 class. Elliott and Boyd were brought on board by the shore police by answer to rewards of ten dollars which were paid. Fires dressed in C boiler. M. Fitzgerald, Landsman; A. Hanson, Seaman; C. F. Reid, Ships Cook 3 class; and W. S. Turner, W. Eberlin, F. Mackey and E. C. Reichel, Apprentices 3 class are placed in double irons for the night. George N. Hayward Lieut U.S.N.

8 PM. to Midnight. Warm and sultry. Light breeze from S.E. E. L. Beach Lieut U.S.N.

Examined and found to be correct.

F. F. Leiper Lieut U.S.N. Navigator.

4-05

LOG of the UNITED STATES Steaming Ship Essex 3rd Rate,

At Anchor at San Juan, P.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air By Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each 10th.	State of the Sea.
A. M.																		
1	At Anchor			South	S.E.	2	—	—	30.25	79	78	78	—	h.c.	Cu	East	2	
2	"			S.E.	"	2	—	—	30.22	79	77	77	—	"	"	"	1	
3	"			S.S.E.	"	1	—	—	30.20	79	77	77	—	"	"	"	1	
4	"			S.E.	"	1	—	—	30.19	79	76	76	—	"	"	"	1	
5	"			"	"	1			30.19	79	76	76		"	"	"	2	
6	"			South	"	1			30.19	79	76	76		"	"	"	4	
7	"			S.S.W.	"	1			30.20	79	76	76		"	"	"	4	
8	"			S.W.	Calm	0			30.21	79	77	77		"	"	"	8	
9	"			South	East	1			30.23	80	80	79		"	"	"	2	
10	"			E. by S.	"	1			30.25	81	82	81		"	"	"	4	
11	"			E.N.E.	E.N.E.	2			30.25	82	85	82		"	"	"	3	
Noon.	"			"	"	0			30.25	83	86	84		"	"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Tempt
Longitude by ° ′ ″ Stbd Aft
85 84 81 79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water ——— during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 2060 "

Coal consumed during the preceding 24 hours, tons, 540 lbs.

Coal remaining on hand at noon, 84 " 1188 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air By Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each 10th.	State of the Sea.
P. M.																		
1	At Anchor			E.N.E.	N.E.	4			30.22	84	87	82		h.s.	Cu	N.E.	4	
2	"			N.E. by E.	"	4			30.20	82	83	80		h.c.m.	"	"	4	
3	"			"	"	4			30.18	82	90	80		"	"	"	2	
4	"			"	N.E. by E.	4			30.16	82	86	80		"	Cu. Cu	"	3	
5	"			E.N.E.	"	4			30.17	83	84	82		"	Cu	"	3	
6	"			"	"	3			30.17	82	82	81		"	"	"	3	
7	"			"	East	3			30.17	82	80	80		"	"	"	2	
8	"			"	"	3			30.17	82	80	80		"	"	"	2	
9	"			East	E.S.E.	2			30.20	82	78	78		h.c.	Cu	East	2	
10	"			S.E.	"	2			30.21	82	78	76		h.c.m.	"	"	2	
11	"			S.S.E.	S.E.	2			30.22	81	78	76		"	"	"	2	
Mid.	"			S. by W.	"	2			30.22	80	78	77		"	Cu	No	2	

under the command of Commander R. S. Davenport, U. S. Navy,

Wednesday April 24, 190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M.:- Clear, close and hot. Light S. & Ely airs and breeze.

Ralph Earle, Ensign U.S.N.

4 to 8 P.M.: Fair and warm weather. Light airs from S.E. and calms. Barometer steady. Received on Pay Department 181 pounds of bread and 22 3/4 of meat and of vegetables. Dressed light yards. M. Fitzgerald, Landsman, & Nanney, Seaman, C.W. Finch, Ship's Cook 3 Class; and W.J. Turner, W.T. Eberle, Fireman, and C. Rieschel, Apprentice 2 class are released.

George N. Hayward Lieut U.S.N.

8 P.M. to Meridian: Warm and pleasant. Light airs to gentle breeze from East to E.N.E. Went to quarters at 9:30. Had manyuvre routine drills. Punishments were awarded by Comds Officer as follows: J. Lucas, Appr 3 C., continued bond talk at drills and formation, 10 hours extra duty. Same, Profanity, 10 hours extra duty. E. Owens, O.S. Temple, H.H. Bailey, Appr 3 C. Disobedience of Orders, 12 hours extra duty. C.J. Barnes, A.S.C., setting at defiance. At 9:30 Navy Rigs, 5 nights double mess. J. Hagen, S.C. Steele, M.A.J. Murphy, O.S. 3 Class, persistently messing on quarter deck, 6 hours extra duty. H. Watkins, A.S.C. Leaving the quarter deck sounds and going in swimming without authority, 5 nights in double mess. F.H. Lasser, A.S.C. Leaving quarter deck squad without authority and jumping overboard while Leaving mornings, 5 nights in double mess. J. Murphy attempting to leave the quarter deck squad by wardroom ladder, 5 nights in double mess. C.W. Elliott, A.S.C. L. Boyd, A.S.C. absenting themselves without leave from proper authority, confined in double mess to await trial by S.C.M. W.A. Poole, H. Steiger, reported fire armies for heavy duty, Potter given 20 hours extra duty, Steiger, 10 hours extra duty. Specifications for B.C.M. were delivered to apprentices Elliott and Boyd. Red D Steamer Philadelphia came in and anchored. Broke out after magazine and inspected 4" common shell with electric primer. By order of Comd'g Officer Ad. Emus. A.S.C. released from solitary confinement, term expired. C.P. Maguire, A.S.C. put in solitary confinement on bread and water for 24 hours for assigned punishment.

E. Beach Lieut U.S.N.

Meridian to 4 P.M.: Fair and pleasant. Moderate. S.E. to S.E. by E. by breeze. Held routine 3rd period drills. From 3:00 to 3:45 exercised boats with [illegible] Steamer Galedonia [illegible] [U.S.] left port.

Ralph Earle, Ensign U.S.N.

4 to 8 P.M.: Warm and pleasant. Moderate to gentle breeze from E. to S.E. by E. Went to quarters at 5:30. At sunset sent down light yards and masts. By order of Comd'g Officer confined for the night as per assigned punishment the following apprentices: Turner, Eberle, Nanney, Rieschel, Barnes, Watkins, Fourty, Hagen, Murphy.

E. Beach. Lieut U.S.N.

8 P.M. to Midnight: Clear and pleasant. Light S.S.E. by E. to S.E. by E. breeze moonlight.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

J. F. Luper Navigator.
Lieut U.S.N.

4—205

LOG of the UNITED STATES Training Ship Essex . 3d Rate,

At Anchor at San Juan PR

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At Anchor			S.S.E.	S.E.	2			30.20	78	78	78		b.c.m.	Cu.	E.	6	
2	"			S.W by W.	South	1			30.17	78	77	77		"	"	"	3	
3	"			S.W.	"	1			30.15	78	77	77		"	"	"	3	
4	"			South	"	1			30.15	78	77	77		"	Ci	"	2	
5	"			S.S.W.	Calm	0			30.11	78	77	77		"	"	"	3	
6	"			"	"	0			30.11	78	77	77		"	"	"	3	
7	"			South	"	0			30.11	78	77	77		"	"	"	4	
8	"			"	"	0			30.14	78	78	77		"	"	"	4	
9	"			"	"	0			30.19	79	85	82		b.c.m.	Cu	"	7	
10	"			E.S.E.	N.E.	2			30.20	81	86	83		"	"	"	6	
11	"			N.E by E.	"	3			30.20	81	86	83		"	"	"	5	
Noon.	"			"	"	4			30.17	81	85	83		"	"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ Sea Aft.

Position at noon: Latitude by observation ° ′ ″ 86 84 83 80
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 64 " 688 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At Anchor			E.S.E.	N.E.	4	—	—	30.16	87	85	83		b.c.	Cu	N.E.	4	
2	"			"	"	4	—	—	30.13	87	82	81		"	"	"	5	
3	"			"	"	4	—	—	30.10	81	82	81		"	"	"	4	
4	"			"	"	4	—	—	30.07	80	81	81		"	Ci Cu	"	3	
5	"			N.E.	"	4	—	—	30.09	80	80	79		b.c.m.	"	"	2	
6	"			E.S.E.	E.S.E.	4	—	—	30.10	80	80	79		"	St. Cu	"	4	
7	"			"	"	4	—	—	30.11	80	79	78		"	"	"	6	
8	"			E.S.E.	"	3	—	—	30.14	87	78	77		"	Ci Cu	"	5	
9	"			S.E by E.	East	1	—	—	30.11	87	78	77		"	Cu	E.	5	
10	"			"	"	1	—	—	30.11	87	78	77		"	"	"	5	
11	"			S.by E.	"	1	—	—	30.11	81	78	77		"	"	"	2	
Mid.	"			S.S.W.	"	1	—	—	30.11	81	78	77		"	"	"	3	

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday April 25 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 12 M: Fair and pleasant. Light airs and light from from SE to South

J. H. Brown
Lieut U. S. N.

12 to 8 PM: Warm and pleasant and calm. Fed on Pay Department provisions as follows: 228# the fresh meat 238# the fresh vegetables and 83 the fresh bread. Released following apprentices at 4 pm to, as per routine. Mackey, Eberline, Twomey, Neely, Bagnes, Matthews, Fowler J. Murphy. At 8 sent up light masts and yards.

E. H. Beach
Lieut U. S. N.

8 PM to 12 Meridian: Fair, clear and cloudy and warm. Calm first hour, light increasing to moderate breeze remainder. By order of the Captain, C. Kelly, A.S.C. was released from confinement on bread and water, his time having expired, and J. Mercken, A.S.C. was placed in solitary confinement on bread and water for three days as per punishment assigned. At 9:30 went to general quarters, division ready as follows: 1st 1½ min; 2nd, 1¾ min; 3rd, 2 min; Aux. 2¼ min; 5th 2½ min; and 6th 3 min. Cleared at battery inlet 9:51 when secured in 4 min. The Captain assigned punishments as follows: C. J. Barnes, A.S.C. sitting at defiance at 9:39 Navy Regulations, 5 days solitary confinement on bread and water; A. M. J. Murphy, A.S.C. chewing tobacco, 2 hrs extra duty; H. Slitzer, A.S.C. smoking, 12 hrs extra duty; W. D. Turner, A.S.C. smoking, 20 hrs extra duty; C. Engleberg, A.S.C. smoking, 12 hrs extra duty, and C. Hart, A.S.C. gross neglect of duty, 4th class. Held drills according to routine 2nd period. A Summary Court Martial of which Lieut T. F. Leiper was senior member met at 10:45 and tried C. Boyd and C. W. Elliott, Apps A.S.C. for remaining absent from the ship without authority, and adjourned at 12:00 to await the action of the convening authority.

Ralph Earle
Ensign U. S. N.

12 Meridian to 4 PM: Clear and pleasant. Moderate breeze from NE. At 1:30 called all hands for exercise and shifted topsails. At 3:00 sent out boats crews for exercise under oars. Received in Dept of S & A. from USS. Naval Station, San Juan, 200 gals beans, 100 lbs dried apples, 300 lbs canned beef, 376 lbs roast beef, 1000 lbs bacon, 488 lbs ham, 50 lbs dried peaches, 60 lbs dried prunes, 8 lbs raisins, 60 gals syrup, 991 lbs sugar, 500 lbs tomatoes, 18 doz white bone buttons, 79 yds cap cloth, 100 yds flannel, 200 white hats. Rigged in port gang way and lower boom, and got out fenders ready for receiving coal lighter on port side. The U.S. Tug Uncas entered the harbor at 1:00 PM.

J. H. Brown
Lieut U. S. N.

4 PM to 8 PM: Fair and pleasant. Moderate to quite NE. to E.N.E. by bugle. Barometer rising. Moonlight last hours. At 5:30 mustered at quarters and had setting up drills. At 5:30 sent down light yards. Put royals, top gallant sails and flying jib. Coal lighter with 100 tons coal was towed alongside to port at 7:15. At 8:30 by order of the Captain placed the following in double irons for the night: F. Mackey, C. J. Barnes, W. Matthews, F. H. Leeuw, mid J. Murphy, all apprentices 3rd class.

Ralph Earle
Ensign U. S. N.

8 PM to Midnight. Fair and pleasant. Bright moonlight. Light airs from East. At about 10:30 Wd. Turner, App A.S.C. and E. Kelly, App A.S.C. jumped overboard from the bow and swam towards shore. The Corporal of the guard was sent in pursuit in the dinghy, and they were brought back and confined in double irons to await action.

J. H. Brown
Lieut U. S. N.

Examined and found to be correct.

F. Fo Leiper.
Lieut U. S. N. Navigator.

4-98

LOG of the UNITED STATES Gunnison Stmr Essex 3rd **Rate,**

At Anchor at San Juan P.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, in tenths.	State of the Sea.
A. M.																		
1	At Anchor			S.W.	E.S.E.	2	—	-	30.10	80	77	77		h.c.m.	h.w	—	1	
2	"			S.W by W	"	1	—	-	30.10	80	76	76		"	Ci	—	1	
3	"			"	Calm	0	—	-	30.08	79	76	76		h.m	None	—	—	
4	"			W.S.W.	"	0	—	-	30.07	79	76	76		"	"	.	—	
5	"			S.W.	"	0	—	-	30.06	80	76	76		Ci	Ci		3	
6	"			South	"	0	—	-	30.05	80	76	76		"	"		3	
7	"			"	"	0	—	-	30.06	80	76	76		"	"		3	
8	"			S.E.	"	0	—	-	30.06	80	76	76		"	"		3	
9	"			S.E. by E.	E.S.E.	2	—	-	30.08	82	78	80		h.c.m.	C.Ci		2	
10	"			E.N.E.	"	2	—	-	30.10	84	85	80		"	"		2	
11	"			"	East	2	—	—	30.12	84	86	81		"	"		2	
Noon.	"			"	E.N.E.	2	—	-	30.14	84	87	82		"	Ci		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Tempt
Longitude by ° ′ ″ Time Alt.

Position at noon: { Latitude by observation ° ′ ″ 83-84 81-79
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 1444 " 188 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, in tenths.	State of the Sea.
P. M.																		
1	At Anchor			N.E.	E.N.E.	3			30.09	83	84	79		h.c.m.	A.Cu.S.	"	5	
2	"			E.N.E.	"	3			30.07	82	82	79		"	"	"	4	
3	"			N.E by E.	"	3			30.05	82	82	78		"	"	"	3	
4	"			"	"	4			30.03	82	82	78		"	"	"	3	
5	"			E by N.	"	4			30.05	82	82	78		h.c.	Cu	"	2	
6	"			"	"	4			30.03	82	81	78		"	"	"	3	
7	"			"	"	3			30.04	82	80	78		"	"	"	2	
8	"			E.S.E.	"	1			30.05	83	80	77		"	"	"	1	
9	"			S.E.	Calm	0			30.10	82	80	78		"	"	"	1	
10	"			S.E by E.	"	0			30.10	81	81	77		"	"	"	2	
11	"			S.S.W.	South	1			30.13	81	79	77		"	"	"	2	
Mid.	"			S by W.	"	1			30.12	80	79	77		h.c.m.	"	"	2	

under the command of Commander R. G. Davenport, U. S. Navy,

Friday April 21 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 PM:- Clear and fine. Moon set at 2:10 Barometer falling. Light E.S.E. breeze to calm.

W. C. Barnes Lieut U.S.N.

4 to 8 PM:- Fair, calm and hot. At 6:00 began to coal ship with port watch. Did not send apprentices over mast head on account of coaling. At 5:30, by order of the Captain, released from confinement: P. Mackey, C. J. Barnes, W. Watkins, J. H. Lassie and J. Murphy, all apprentices 3 class. Received on D. of P. S. & A., 228 3/4 lbs each of fresh meat and vegetables, and 100 lbs of bread. Navy Collier Leandas left port. Steamer U.S. Caracas entered port.

Ralph Earle, Ensign U.S.N.

8 PM to Meridian:- Clear and warm, light breeze from E.S.E. to E.N.E. Coaling ship. Finished coaling at 11:30 having received on all 90 tons. By order of the Captain W. J. Turner App 3 C. and E. Kelly, App 3 C. were confined in double irons to await trial by Summary Court Martial for leaving ship without permission. The U.S. Army Transport Sedgwick came in at 9:00.

F. H. Brown, Lieut U.S.N.

Meridian to 8 PM:- Clear and warm. Moderate breeze from E.N.E. Barometer falling. Scrubbed clothes and cleaned ship. At 1 rigged smoke pipe and started fires in Boiler C for distilling. Put steaming covers on awning and mast

W. C. Barnes Lieut U.S.N.

4 to 8 P.M:- Clear and warm. Light airs to moderate breeze from E.N.E. At 4:30 mustered at quarters and gave divisions setting up exercises. At 6:00 steam formed in boiler C. At 7:15 commenced distilling. At 5:00 the American Steamer Caracas left the harbor. At 6:45 the Army Transport Sedgwick left the harbor. At 5:20 the following apprentices 3rd class were confined in double irons for the night: P. Mackey, C. J. Barnes, W. Watkins, J. H. Lassie and J. Murphy.

F. H. Brown, Lieut U.S.N.

8 to Midnight:-

Clear and calm to light Southerly airs, sultry. Barometer rising. Steam on boiler C for distilling

W. C. Barnes Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at New Javen CT

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	At Anchor			S W by S	Calm	0	—	—	30.11	80	77	76	—	h.c.	Cu a-Cu	—	2	—
2	"			W S W	South	1	—	—	30.09	79	77	76	—	"	"	—	4	
3	"			S W by W	"	1	—	—	30.08	79	77	75	—	"	"	East	2	
4	"			"	"	1	—	—	30.08	79	76	75	—	"	Cu	"	1	
5	"			S S W	Calm	0			30.08	79	76	75		"	"	"	2	
6	"			"	"	0			30.07	79	76	75		"	"	"	2	
7	"			S W	"	0			30.08	79	76	75		"	"	"	2	
8	"			S S W	"	0			30.10	79	76	76		"	"	"	2	
9	"			S E by S	"	0			30.14	80	84	78		"	"	"	3	
10	"			N E by N	"	0			30.16	81	85	82		"	"	"	3	
11	"			N E	N E	1			30.16	81	84	80		"	"	"	2	
Noon.	"			"	"	1			30.16	81	84	80		"	"	"	2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Dump
Longitude by ° ′ ″ Fish Aft

Position at noon: { Latitude by observation ° ′ ″ 86 84
Longitude by observation ° ′ ″ 83-80
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, / tons, 1940 lbs.

Coal remaining on hand at noon, 142 " 488 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1	At Anchor			E. N. E.	E. N. E.	4	—	—	30.09	82	87	82	—	h.c.m.r.	Cu a-Cu	Sea	2	—
2	"			"	"	4	—	—	30.08	82	87	82	—	"	"	"	3	—
3	"			"	"	4	—	—	30.08	82	86	82	—	"	"	"	3	—
4	"			N E by E	N. E.	4	—	—	30.09	83	86	84	—	h.c.m.r	"	"	5	—
5	"			"	"	4			30.10	82	84	79		h.c.	"	"	3	
6	"			"	"	3			30.12	82	82	78		d.c.	"	"	3	
7	"			S by W.	South	2			30.14	81	81	78		h.c.r	"	"	4	
8	"			S W by S	"	1			30.16	80	80	78		h.c.	"	"	3	
9	"			S S W.	Calm	0	—	—	30.17	81	79	78	—	h.c.r.	Cu	—	9	—
10	"			E S E	E. S. E.	1	—	—	30.17	81	79	78	—	h.c.m.	Cu a-Cu	—	6	—
11	"			S S E	"	1	—	—	30.17	81	78	77	—	"	"	—	2	—
Mid.	"			S S E.	S. E.	2	—	—	30.18	80	77	77	—	h.c.m.r.	"	—	7	—

under the command of Commander K. D. Kaufman, , U. S. Navy,

Saturday April 27 ,190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 PM:- Fair and warm weather. Calms and light airs from South. Moon set at 1:55. Barometer noon 30.[illegible] Distilling [illegible]

George N. Hayward, Lieut U.S.N.

4 to 8 PM:- Clear and warm. Calm. Cleaning ship. Steam in boiler C. Distilling. At 5:30 released from confinement F. Marley, C.J. Barnes, W. Watkins, F.H. Lowrie, and J. Murphy, Apprentices 3rd class. Received in Supt Stores 2332 lbs fresh meat and vegetables, and 183 lbs fresh bread. Sent 1 apprentice over mast head.

F.H. Brown Lieut U.S.N.

8 to Meridian:- Clear and sultry. Calm to light S.E. by airs. Distilling. Boiler C in use. At 10:30 went to quarters to inspect boys and correct clothing lists. Barometer rising. Distilling using boiler C.

F.H. Brown Lieut U.S.N.

Meridian to 4 PM:- Fair, hazy, and very warm weather. Moderate breezes from E.S.E. hauling to N.E. with a thin rain last hour. Barometer steady. At 1:00 called all hands aft and published the findings and final sentences in the cases of Lawrence Boyd and C.W. Elliott Apprentices 3 class. They were each found guilty of having remained absent overleave for about three days and are sentenced to ten days solitary confinement in single irons. Boyd and Elliott were then placed in single irons for safe keeping. Received [illegible] pounds of vegetables. Distilling both steam from C boiler.

George N. Hayward Lieut U.S.N.

4 to 8 PM:- Cloudy with several short showers at 6:30 Moderate breeze from N.E. falling lightly and shifting to Southerly at end of watch. Barometer rising. Making preparations for sea. At 5:45 closed light yards and boat gear. Rove off cat and fish falls. At 5:30 the following were ordered for the night. C.J. Barnes A.S.C. W. Watkins F.H. Lowrie and J. Murphy A.S.C. the privileges & c. of Charges preferred by the Captain.

F.H. Brown Lieut U.S.N.

8 PM to Midnight:- Cloudy, hazy and warm weather. Calms and light airs from E. to E.S.E. hauling to S.E. Barometer [illegible] steering, [illegible] & trolling

George N. Hayward, Lieut U.S.N.

Examined and found to be correct.

E.F. Lee Jr. Lieut U.S.N. Navigator.

4—96

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

At Anchor at San Juan P.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
At Anchor				S.E.	South	1	—	-	30.16	80	78	77	—	h.c.w	Cu	East	4	—
2	"			S.E. by S.	"	2	—	-	30.16	79	78	77	—	"	Cu	"	3	—
3	"			S.E.	"	2	—	—	30.14	79	78	77	—	"	"	"	2	—
4	"			S.E. by S.	"	1	—	—	30.14	79	77	76	—	"	"	"	2	—
5	"			S.S.E.	Calm	0	—	-	30.15	79	77	76	—	"	"	"	3	—
6	"			S.E.	"	0	—	-	30.16	79	77	76	—	"	"	"	4	—
7	"			"	"	0	—	-	30.17	79	77	76	—	"	"	"	5	—
8	"			"	"	0	—	-	30.18	79	77	76	—	"	"	"	4	—
9	"			East	East	2	—	-	30.20	81	82	79	—	h.c.m	Cu.Cu.Cu	E.	3	—
10	"			E.N.E.	"	3	—	-	30.21	80	84	79	—	"	Cu	"	4	—
11	"			"	"	4	—	—	30.20	81	86	80	—	"	"	"	4	—
Noon.	"			N.E. by E.	E.N.E.	4	—	—	30.20	81	87	80	—	"	"	"	5	—

Position at 8 A. M.: Latitude by ° ′ ″ — May Tempt
Longitude by ° ′ ″ — Taste Affl.

Position at noon: Latitude by observation ° ′ ″ — 85-84 — 83-81
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by 18° 42′ 6 ″ N
Longitude by 66° 36′ 15 ″ W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 2 tons, 220 lbs.

Coal remaining on hand at noon, 140 " 268 "

P. M.																		
1			96	E.N.E.	E.N.E.	4	—	—	30.20	81	87	80	—	h.c.	Cu.Cu	Cu	3	—
1.30	1	0	96.6	N.E. by N.														
2	2	3	98.9	N. 60° W.	"	4	—	—	30.16	81	83	79	—	"	"	"	4	S
3	0	9	99.8															
4	0	3	0.1	N. 60° W.	"	4	—	—	30.13	81	82	78	81	"	"	"	6	"
5	5	1	10.2	"	"	4	—	—	30.12	80	81	78	81	"	"	"	7	"
6	5	5	15.7	"	N.E. by E.	4	—	—	30.14	80	80	77	81	h.c.m	Cu	N.E.	5	S
7	4	7	20.4	"	"	3-4	—	—	30.14	80	80	77	81	"	Cu.S	"	7	"
8	2	7	23.1	"	"	2	—	—	30.16	82	80	77	81	"	Cu	"	9	"
9	4	3	27.4	"	"	3	—	—	30.19	82	80	78	81	h.c.m	"	"	10	"
10	3	5	30.9	"	N.E.	3	—	—	30.20	82	80	78	81	h.c	Cu.Cu	"	9	"
11	4	0	34.9	"	"	3	—	—	30.20	81	79	77	81	"	Cu	"	8	"
Mid.	2	7	37.6	"	"	3	—	—	30.20	81	79	77	81	h.c.q	"	"	7	"
	3	6	41.2	"	"	3	—	—	30.20	81	79	77	81	h.c	S.Cu	"	7	"

under the command of Commander R. D. Davenport, U. S. Navy,

Sunday April 28, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light breeze from E. to N. Steaming at 2:35 distilling with boiler C.

E. B. Roach. Lieut U. S. N.

4 to 8 AM. Calm and warm. Barometer rising. Boiler C in use for distilling. At 6:30 started fires in boilers A and B. At all hands. W. Watkins A.S.C. J. Lossen, A.S.C. and C. Barnes were released from confinement. Received in Pay Department, fresh meat 407 lbs, fresh bread 366 lbs. At 6:30 mustered and sent apprentices over to scrub decks. At 7:15 the Spanish Steamer Catalina arrived harbor and anchored on starboard quarter

R. B. Brown Lieut U. S. N.

8 AM to Meridian. Fair, warm and hazy weather. Light airs from East backing to E. S. E. and increasing to moderate breeze. Barometer normal. At 9:30 the Captain inspected at quarters, and then inspected the ship. Held divine service. Brought to the chain and finished making ready for sea. At eleven steam was formed in A and B boilers. The Steamer Catalina went alongside the wharf. J. Mencher, Apprentice 3 class stands relieved from ~~time of confinement~~ being reported. C. Barnes, Apprentice 3 class, is placed in solitary confinement ~~and~~ on bread and water for two days by punishment already assigned.

Lucy M. Hayward, Lieut U. S. N.

Meridian to 4 PM. Warm and pleasant. Moderate breeze from E. S. E. At 12 noon tried engines. At 1:00 called "all hands up anchor" hoisted and secured anchor, and went ahead steaming out of San Juan harbor, made all plain sail to royals and mainstaysail except mainsail and foremast staysail. Then allowed fires under boilers A and B to die out and continued distilling with boiler C. At 2:45 "hove to" with fore topsail to mast and uncoupled propellers. Port engine at 1:30 reading 96.6. Barr: Ship C 200 yards distant. Course N. by W. At 1:40 p.m. course N. 62° W. p. l. 96.6. At 2:07 changed course to N. 66° W. p. l. log 99.8. Ships draft when leaving 16' 6" forward 16' 8" aft. By order of the Com'dg Officer the following were released from confinement and made prisoners at large. J. Downing and J. P. Brock Ldg. Seamen, Salomon, Boyd and Elliott Apprentices 3 class. By order of Com'dg Officer dismissed quarters and squad. At 2:20 exchanged dip. of colors with steamer carrying Cuban under U.S. colors. At end of watch, unmoored fire, wind abaft starboard beam, west coast of Porto Rico on port beam. Whipping engine running. Avg steam 93 Avg rev 84.8 Barometer falling

E. B. Roach. Lieut U. S. N.

4 to 6 PM. Cloudy and pleasant. Gentle to moderate N. E. by E. breeze. Ship rolling slightly. Distilling. Boiler C in use. Fires under A and B died out at 5:00. At 4:15 mustered at quarters. Island of Porto Rico in sight on port beam S. W. by W. to S. E. Under all sail save mainsail and mainstaysail on course N. 66° W. p. 95° log 20 as stated at end of watch.

Ralph Earle, Ensign U. S. N.

6 to 8 PM. Cloudy, Gentle Light to gentle breeze from S. E. by E. Smooth sea. Barometer rising. Under all sail except mainsail and mainstaysail. Course N. 66° W. The Island of Porto Rico in sight until dusk bearing South. Steam in boiler C. Distilling. At 7:00 coupled propellers, shaft 84 o'clock back 23 minutes last hour. At 7:00 sighted Arecibo light bearing S. 30° W. At 7:30 the following were confined in double irons for the night. W. Watkins, Apprentice 3 Class, Passer, Apprentice 3 C. At 7:00 the following were confined in night irons for the night. J. Downing Ldg. Seaman and E. Brock Ldg.

F. H. Brown Lieut U. S. N.

8 PM to Midnight. Cloudy, Moon generally in sight. Barometer steady. Distilling with boiler C in use. Light variable breeze on course N. 66° W. under all sail but mainsail and mainstaysail ~~which were~~ (Sgd) until 10 PM when took in mainstaysail and topsail reefed up sail during a passing wind squall. Grenade gunfire S. E. by E. breeze. Cleaning at end of watch. Ship pitching slightly & easily, well. Siesta Light breeze until 10:50 PM.

R. B. Brown Lieut U. S. N.

Examined and found to be correct.

F. F. Leiper Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" 3d **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.							P. S.											
1	3	6	44.8	S 60° W	N.E by E.	3	5	6°	30.15	81	80	77	80	cu. m.	Cu. Cu.	E. by S. East	10	8
2	3	4	45.2	"	E. by E.	3	5	6°	30.15	81	80	77	80	h.c.m.	"	"	9	"
3	3	0	45.2	"	E by N	3	3	—	30.12	81	80	77	80	"	Cu. Cu.	"	8	"
4			52.5	"	E by S	3	—	—	30.12	81	80	77	80	"	"	"	7	"
5	2	0	56.2	"	"	3	—	—	30.12	80	79	77	80	"	"	"	7	"
6	2	0	56.4	"	"	2			30.12	80	80	77	80	"	"	"	8	"
7	2	2	58.0	"	"	2			30.14	80	81	77	80	h.c.	"	"	6	"
8	1	4	58.9	"	"	2			30.16	80	80	78	80	"	"	"	7	"
9	1	8	58.9	"	E. S. E.	2	—	—	30.21	82	83	79	81	h.c.m.	Cu. Cu.	—	6	8
10	0	9	58.9	"	"	1	—	—	30.21	82	85	80	81	"	Cu. Cu.	—	5	"
11	0	6	58.9	S 88° W	"	0.1	—	—	30.21	83	86	81	81	"	Cu. Cu.	—	4	"
Noon.	0	9	58.9	S 28° W	"	0-1	—	—	30.19	83	86	81	81	"	Cu. Cu.	—	5	"

Position at 8 A. M.: Latitude by D.R. — 18° 57' 48" N. Mag. Amst. Off.
Longitude by Obs. — 67° 14' 30" W. Mag. Amst. Off.

Position at noon: Latitude by observation — 18° 56' 43" N. 83-83 83-82
Longitude by observation — 67° 18' 0" W.
Latitude by D. R. — 18° 59' 24" N.
Longitude by D. R. — 67° 11' 15" W.

Course made good since preceding noon: S 68° W.

Distance made good since preceding noon: 72 miles.

Distance by Log since preceding noon: 68.2 miles.

Current per hour: 0.3 miles, set S 67° W. true.

Position at 8 P. M.: Latitude by D.R. — 19° 0' 1" N.
Longitude by Obs. — 67° 24' 51" W.

Variation of compass: from Atlantic Pilot Chart. — 6° 40' W.

Error of compass observed at 7:57 P.M. — 4° 25' W.

Deviation of compass on S 48° W. — 3° 46' "

Water expended during the preceding 24 hours, 330 gallons.

Water Distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 26500 "

Coal consumed during the preceding 24 hours, 2 tons, 220 lbs.

Coal remaining on hand at noon, 140 " 368 "

P. M.																		
1		9	59.0	N 27° W	N.E.	1			30.16	82	84	81	81	h.c.m.	Blue Cu.	East	6	8
2		7	59.0	"	"	1			30.14	82	86	82	81	"	"	"	5	"
3		5	59.3	"	"	1			30.13	82	85	82	81	"	"	"	6	"
4	1	0	59.3	S 45° W	"	1			30.12	82	85	81	81	"	"	"	7	"
5	0	4	59.3	S 60° W	"	1			30.11	82	84	79	81	"	Cu. Cu.	"	8	"
6	1	3	59.3	"	"	1			30.13	82	82	79	81	"	"	"	8	"
7	1	0	59.6	"	"	1		0°	30.15	82	81	78	81	"	Cu. Cu.	NE	7	"
8	2	0	60.7	"	"	2	2°	10°	30.16	83	81	78	81	h.c.m.	"	"	6	"
9	2	1	60.7	"	N.E. by N	3	2°	10°	30.20	80	79	77	81	c.m.s.	Cu. Cu.	"	9	"
10	3	3	62.9	"	"	3	2°	10°	30.20	81	80	78	81	h.c.m.	Cu. Cu.	"	9	"
11	3	9	63.8	"	"	4	3°	10°	30.24	81	80	78	81	"	"	"	8	"
Mid.	4	3	64.1	"	"	4	3°	10°	30.18	81	80	78	81	"	"	"	8	"

under the command of Commander R. G. Davenport, U. S. Navy,

Monday April 29, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 P.M.:- Cloudy night with moon obscured. Gentle breeze hauling from N.E. by E. to E. by S. Barometer falling. Moon set at about 2:55. At 3:45 land the gunboat sprung and hauled down the jib and flying jib. At 3:50 stopped distilling and at 3:50 force out in 6 boilers. At end of watch ship under the main topsail and all square sail with the mainsail and nearly off.

Geo. G. N. Hayward
Lieut. U.S.N.

4 to 8 P.M.: Warm and pleasant. Light to gentle breeze from E. by S. Ship on course N 60° W. mast and nearly aft, under fore topmast, staysail and square sail & royals, spirit sail and all. By order of Cmdg Officer released from confinement, turn having expired, Apprentice Watkins and Lorenz, for day Landsmen J. Dennino and J. Zwirek, Asst. Apprentice over masthead. Island of Porto Rico on port quarter.

E. L. Beach
Lieut. U.S.N.

8 P.M. to Midnight:- Cloudy and pleasant. Light & Var. & by E. breeze to calm. Ship rolling at times 15° each side. Uncoupled propeller at 8:15. Sent mainsail. By order of the Captain E. F. Maguire, A.S.C. was released from confinement, his term having expired and P.A. Solomon, A.S.C. was placed in solitary confinement for 7 days on full rations as per sentence of S.C.M. At 9:30 mustered at quarters and exercised at setting up drill. Field routine drills 1st and 2nd periods. Island of Porto Rico in sight on port quarter bearing at end of watch S. 30° E. to S. 30° E. by course N 60° W. [per C.] until 12:00 o'clock after which ship has no steerage way. Under all square sail save mainsail and foretopmast staysail. The Captain assigned punishments as follows:- E.L. Reichel, and M.W.J. Murphy, apps. S.C., for deut disobedience of orders, going in swimming without authority, 6 nights in double irons each; C.H. Jones, app. S.C., smoking, 4 hours extra duty; A. Reichel and L.D. French, apps. S.C., smoking, 2 hours extra duty each; J.L. Steger, J. Murphy, W.M.J. Murphy, F.E. Steele, C.H. Jones, J.H. Whalen, and L.B. Barker, apps. S.C., not having proper number of clothes stops, 2 hours extra duty each; F.W. McAllister, A.S.C., not scrubbing clothes, 4 hours extra duty; H. Stetzer, A.S.C., chewing tobacco, 36 hours extra duty; P.A. Solomon, A.S.C., deliberately defacing property of another person by marking his name out, 10 hours extra duty; F.F. Pigatt, steerage cook, having dirty cooking utensils, 10 hours extra duty; P.M. Inman, A.S.C., scrubbing clothes for steerage cook, 4 hours extra duty; P.L. Sabatie, A.S.C., using obscene language to C.B.M., 5 days solitary confinement on bread and water; C.H. Jones, A.S.C., frequently at played 4 nights in double irons; C.E. Edgerly, and W.W. Reigle, apps. S.C., having tobacco in their possession, the former 8 hours and latter 4 hours extra duty; J. Lonergan and E.P. McCarthy, A.S.C. exercising another persons clothing, 4 hours extra duty. R.M. Lewis, A.S.C. reported for timing for going duty 20 hours extra duty.

Ralph D. Earle
Ensign U.S.N.

Meridian to 4 P.M.: Fair and warm. Light airs from S.E. Under foretopmast staysail and all square sail except mainsail, at noon set gaff and flying jib. At 12:30 a Summary Court Martial, Lieut. F.F. Lieber, senior member, met on board for the trial of W.J. Turner, app. S.C. and E. Kelly, app. S.C. At 2:30 the Court adjourned to await the action of the convening authority. At 3:30 the first division of the watch had gallery practice. Ship without steerage way. Island of Porto Rico in sight bearing south.

J.H. Brower
Lieut. U.S.N.

4 to 6 P.M.:- Cloudy and pleasant. Light & Var. airs. At 4:30 went to quarters for muster, cleaned all hands at shifting course and to parts until 5:30. At end of watch under all sail but mainsail and mainstaysail on course N 60° W [per C.] Passing up the port beam headed westward. Barometer 30.00. Ship rolling slightly 8° to 8° each way.

E.L. Beach
Lieut. U.S.N.

6 to 8 P.M.:- Cloudy, clear, warm and hazy weather with short lightening bearing about S.E. by E. during last hours. Light airs from N.E. increasing to light breeze. Barometer steady. At end of watch ship under the main topsail and all plain sail except the mainsail, on course N 60° W by standard compass. Commdg Officer and Secretary are placed on single swing for the night.

George N. Hayward
Lieut. U.S.N.

8 P.M. to Midnight:- Cloudy and pleasant. Drizzling first hour. Gentle to moderate breeze from N.E. by E. Ship under main topsail and all plain sail & royals except mainsail, wind a point free on starboard tack and making course N 60° W.

E.L. Beach
Lieut. U.S.N.

Examined and found to be correct.

E.F. Lieber
Lieut. U.S.N. Navigator.

4-08

LOG of the UNITED STATES Training Ship Essex 3d. Rate,

Making Passage from San Juan PR to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	4	3	80.4	N 60° W	NE by N	4	5°	5°	30.15	81	80	78	81	h.cl.	Cu	Nb.	8	8
2	3	8	84.2	"	"	4	5°	5°	30.11	81	79	77	81	h.c.m.	Cu-St	"	9	"
3	3	5	89.7	"	"	4	5°	5°	30.09	80	79	77	81	c.s.a.	"	"	10	"
4	2	5	90.2	"	S.S.E.	3	5°	"	30.09	80	78	76	81	c.s.r.	Cu-St	E	10	"
5	2	0	92.2	"	"	3	5°	"	30.09	80	77	76	81	"	"	"	10	"
6	2	0	Changed Log	"	S.E.	3			30.09	80	78	76	81	"	"	"	10	"
7	3	3	95.5	"	"	4			30.10	80	78	76	81	h.c.	Cu	"	7	"
8	3	2	98.7	"	"	4			30.10	80	80	77	81	"	"	"	7	"
9	2	3	101.0	"	E.S.E.	3	2°?	8°	30.13	80	81	79	81	h.c.m.	Cu-St	"	6	"
10	2	7	103.7	"	"	3	2°	8°	30.15	80	80	78	81	"	"	"	7	"
11	2	0	105.7	"	"	3	2°	8°	30.15	80	81	79	81	"	"	"	7	"
Noon.	2	0	107.7	"	E by S	3	2°	8°	30.14	80	81	79	81	"	"	"	9	"

Position at 8 A. M. { Latitude by DR — 19° 14' 37" N. Spy Tuart
Longitude by Obs. — 65° 0' 0" W. Thos Cape 83-82

Position at noon: { Latitude by observation — 19° 20' 44" N. 85-84
Longitude by observation — 65° 8' 28" W.
Latitude by D. R. — 19° 18' 31" N.
Longitude by D. R. — 65° 12' 45" W.

Course made good since preceding noon: N 63° W.

Distance made good since preceding noon: 54. miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.2 miles, set N 89° E. true.

Position at 8 P. M. { Latitude by DR — 19° 33' 19" N
Longitude by DR — 68° 15' 42" W.

Variation of compass: from Atlantic pilot chart. 0° 30' W.

Error of compass observed at 8:25 P.M. 2° 18' W.

Deviation of compass on N 89° W. 3° 48' W.

Water expended during the preceding 24 hours, 550 gallons.

Water ○ during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 54 lbs.

Coal remaining on hand at noon, 138 " 346 "

P. M.																		
1	0	5	108.2	N 60° W	E.S.E.	1			30.12	81	83	80	80	h.c.p.	Cu-St	Cu-St	6	8
2	1	0	10.1	"	"	0			30.10	81	83	82	80	"	"	"	8	"
3	—	—	10.1	N 45° W	"	0			30.08	81	83	81	80	h.c.	Cu	—	7	"
4	—	—	10.1	N 30° W	"	0			30.07	81	83	81	80	"	"	—	8	"
5	—	2	10.3	N 45° W	"	1			30.07	80	80	79	80	"	"	—	9	"
6	1	2	11.5	"	E.S.E.	2			30.08	80	80	79	80	"	"	—	10	"
7	1	7	13.2	"	"	2			30.10	80	79	77	80	"	"	—	10	"
8	1	4	14.6	"	"	2			30.11	81	79	77	80	h.c.s.	St	—	10	"
9	1	7	16.1	"	E.S.E.	2	—	—	30.12	82	78	78	80	o.c.l.	Cu-St	Cu-St	10	"
10	1	4	17.3	"	S.E.	2	—	—	30.12	82	77	77	80	"	"	"	10	"
11	1	5	18.6	"	E by S	2	—	—	30.10	82	77	77	80	h.c.l.	Cu	St	9	"
Mid.	1	6	19.6	"	"	2	—	—	30.15	82	77	77	80	o.c.l.	"	"	10	"

under the command of R. G. Davenport, U. S. Navy,

Tuesday April 30, 190 1.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.- Cloudy weather, overcast and raining last hours. Lightning to the N.E and E'd first hours. Barometer falling first three hours. Moderate breeze from N.to by N. hauling to S.S.E. last hour. Under all sail except mainsail and maintopmast stay sail. Course N.16° W. At 3:30 took in flying jib, foretopmast staysail, main staysail and spanker. P.M. at end of watch 30.2

J.W. Brownson Lieut. U.S.N.

4 to 8 A.M.- Cloudy to clearing. Light misty rain first hour. Latter S.S.E. to by breeze backing to E. to. Barometer steady. At 5 J.A. Rhodes Ldg. and J.J. Downing Ldg. released from confinement mustered and sent apprentices over main deck at 5 A.M. On course N.16° W. (p.s.c.) under jib and all square sail but mainsail. At 6 set flying jib and foretopmast staysail. At daylight sighted land from masthead bearing on port bow.

J.W. Brownson Lieut. U.S.N.

8 A.M. to Midday.- Cloudy, close muggy, warm, and uncomfortable weather. Light breeze from E. to E.S.E. hauling to E. by S. Barometer steady. At 9:30 inspected at quarters. Had routine drills during first and second periods. The Captain awarded the following punishments: to H. Belcher M.E. Theodore and J.J. Corcoran for persistent shirking, fourth class; to 6 Coxswains relieving halliards on time, 6 hours extra duty; to C.M. Sparks, for shirking on lookout, 2 hours extra duty; to C.M. Kemble, for disorderly conduct at drill, 24 hours extra duty; all the offenders being Apprentices 2d class. At end of watch high land on Santo Domingo in sight forward of port beam bearing from S. 60° W. to S. 60° W. by standard compass; ship hove to, at 6 A.M. At end of watch ship under jib, flying sail, except the mainsail and the spanker on course N. 60° W. by standard compass. Ship rolling moderately to an ocean swell from E. by S. Lt. deck clock back five minutes. Noon to 4 P.M.-

George N. Hayward Lieut. U.S.N.

Generally cloudy and warm, raining first two hours, then clearing. Almost a calm, occasional light airs from E.S.E. Course N. 60° W. until 12:30 P.M. when changed course to N. 60° W. per log 10.2. Passage way last 2 hours. Ship under all plain sail to royals except mainsail and spanker. At 2:00 hauled down flying jib and foretopmast staysail. Had routine drills 1:00 to 2:15 and 6th Division starboard watch from 3 to 4 at gallery target practice. Ship rolling easily to swell from S.W. by W. Island of Santo Domingo in sight forward of port beam, distant on port beam.

E.L. Roach Lieut. U.S.N.

4 to 6 P.M.- Cloudy weather. Light airs to light breeze from E.S.E. to S.S.E. Smooth sea. Under jib and all square sail except mainsail. At 4:30 mustered at quarters. At 5:35 called all hands, swift to sail and courses. Took in and furled all sail and shifted topsails and courses. Then made all plain sail to royals except mainsail and spanker. At 5:30 hauled down flying jib and foretopmast staysail. Course N. 65° W. P.M. at end of watch 11.0 The Island of Haiti bearing W.N.W. in sight, distant 5:30

J.W. Brownson Lieut. U.S.N.

6 to 8 P.M.- Cloudy, drizzling rain last hour. Barometer rose. Light breeze from E.S.E. to E. Smooth sea. Lts. and J.J. Downing Ldg. confined for the night. Under jib and all square sail but mainsail. On course N. 65° W. (p.s.c.) Ship rolling very slightly to light swell.

J.W. Brownson Lieut. U.S.N.

8 P.M. to Midnight.- Overcast and rainy weather, lightning to leeward with obscured moon. Light breeze backing from E. by N. to E. by N. Barometer normal. At end of watch ship under all plain sail except the flying jib, foretopmast staysail, mainsail and spanker, on course N. 65° W. by standard compass. Ship rolling easily to a long swell from port beam. Greatest roll 10° each way.

George N. Hayward Lieut. U.S.N.

Approved

Richard G. Davenport

Commander U.S.N. Commanding.

Examined and found to be correct.

E.F. Logan

Lieut. U.S.N. Navigator.

4—206

LOG of the UNITED STATES Training Ship Essex 2nd **Rate,**

Making Passage from San Juan P.R. to Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	6	1	235	N 65° W.	S.E.	4-5	3°		30.11	80	75	75	80	0.c.r.g.	Cu. N.	N.E.	10	8
2	8	9	261	"	E.S.E.	5-4	3°		30.12	79	75	75	80	0.c.r.	"	"	10	"
3	2	6	280	"	S.E.	4	3°		30.10	79	75	75	80	"	"	E.	10	"
4	8	9	340	"	"	4-5	3°		30.09	80	76	76	80	0.c.	"	"	10	"
5	4	0	368	"	E.S.E.	3	8°		30.08	80	76	75	80	"	"	"	10	"
6	2	5	390	"	"	3			30.08	80	76	75	80	0.c.f.	"	"	10	"
7	6	2	428	"	S.E. by E	3			30.07	80	77	78	80	h.c.	"	"	8	"
8	2	6	446	"	"	3			30.06	80	79	77	80	h.c.f.	"	"	9	"
9	3	2	50.0	"	S.S.E.	4			30.09	80	79	78	80	h.c.	Cu.	"	9	"
10	4	0	540	"	"	4			30.10	79	80	78	80	"	"	"	9	"
11	4	0	582	"	"	4			30.10	80	80	78	80	"	"	"	9	"
Noon.	3	2	60.7	"	"	4-3			30.10	80	81	79	80	"	"	"	9	"

Position at 8 A. M. { Latitude by DR. 19° 36' 85" N. Alt. Sun Limb
Longitude by obs. 69° 16' 45" W. 52 40 Aft.

Position at noon: { Latitude by observation 19° 47' 11" N. 86 82 82 81
Longitude by observation 69° 37' 24" W.
Latitude by D. R. 19° 40' 7" N.
Longitude by D. R. 69° 2' 6" W.

Course made good since preceding noon: N 70° W.

Distance made good since preceding noon: 78.5 miles.

Distance by Log since preceding noon: 56.5 miles.

Current per hour: 1. miles, set N 73° W. true.

Position at 8 P. M. { Latitude by DR 19° 49' 41" N
Longitude by DR 69° 36' 48" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, tons, 520 lbs.

Coal remaining on hand at noon, 135 " 1988 "

P. M.																		
1	2	1	628	N 65° W.	S.S.E.	3	—	—	30.06	81	82	80	80	h.c.	Cu. Cu.	East	9	8
2	1	7	645	"	"	3	—	—	30.04	81	82	80	80	h.c.f.	"	"	9	"
3	1	0	648	"	E.S.E.	2	—	—	30.02	81	82	80	80	0.c.	"	"	10	"
4	0	0	648	———	Calm	0	—	—	30.01	81	80	79	80	0.c.r.	Cu. Cirrost.	"	10	"
5	0	8	—	N 65° W.	S.S.W.	2	—	—	30.02	82	77	77	80	0.c.tr	Cu. Nb. Cirrost.	S.E.	10	"
6	2	0	—	Various	Various	3	—	—	30.06	82	77	77	80	"	"	"	10	"
7	1	2	—	S 80° W.	N.W. by W.	2	—	—	30.08	81	75	75	79	0.c.f.	"	"	10	"
8	1	2	—	N 70° W.	N by E.	2	—	—	30.10	81	75	75	79	"	"	East	10	"
9	—	8	—	N 65° W.	"	2	—	11°	30.10	80	75	75	79	"	"	"	10	"
10	1	6	—	"	N.E.	2	—	11°	30.10	80	75	75	79	0.c.r.Cu.	"	"	10	"
11	—	4	—	"	"	1	—	11°	30.10	80	75	75	79	"	"	"	10	"
Mid.	—	—	—	As Necessary	Calm.	0	—	—	30.10	80	75	75	79	"	"	"	10	"

under the command of R. G. Davenport, U. S. Navy,

Wednesday May 1st 1901, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 AM:- Overcast and cloudy. Raining first two hours. Squally at first. Wind gentle to stiff breze. Varying in direction E.S.E. at first to N.E. last two hours. Ship on course N 65° W, under jib and square sail to royals except main sail.

4 to 8 AM:- E. L. Beard Lieut. U.S.N.

Cloudy with light passing showers. Gentle breze from E.S.E. to S.E by E. Smooth sea. Barometer nearly steady. Under jib and all square sail except mainsail. Course N 60° W. P.M. at end of watch 46.0. At 8:00 J.J. Downing Lds and J.A. Smith Lds were released from confinement. Sent up royal yards, mast heads, Scrubbed unsails. The Island of Kayo in sight after daylight bearing from S 20° E to S 65° W.

8 to Meridian:- J. H. Brown Lieut U.S.N.

Cloudy and hazy. Moderate to gentle breze from S.S.E. Barometer steady. At 9 hauled up foresail. At 10 clewed up light sails and furled royals. On course N 65° W (p.c.) at end of watch under topsails and jib. The Island of Kayo on port beam. A steamer passed close by starboard hand headed for Windward Passage. Running Stand and Quell Parties had routine drills. The Captain imposed the following punishments Jas Knock Lds, 10 days in double irons for insubordinate conduct while required to stand by reputation. A.B. Barley, O.S.C. and J. Minchin, Gas.E. 4th class commits for persistently shirking. J. Collins, O.S.C. 10 hrs extra duty for having clothing of another in his possession. W. Steiger, O.S.C. putting at defiance. Art 9.36 Navy Regs 5 days Solitary confinement on bread and water. Jas Knock Lds confined in accordance with punishment

Meridian to 4 PM:- W. L. Patton Lieut U.S.N.

Cloudy, damp close, warm, muggy, misty, gloomy and threatening weather with a spitting rain at the end. Gentle breze from N.E. backing to N.E. and falling calm. Barometer falling. At 1:30 had third period routine drills, except for fifth division which had Army and Navy Signals. At 3:00 had gallery practice with third division until interrupted by rain. At end of watch ship under jib and all square sail to topgallant sails, after yards square, head yards up by port braces, and ship dead in the water. Ship rolling slightly at times from easy swell from N.E. 4 to 6 PM:- George N. Hayward Lieut U.S.N.

Overcast and cloudy. Raining heavily. Light airs from northerly and westerly directions. At 4:30 called all hands to muster and read sentences in S.C.M. cases of E. Kelly and W.J. Turner, Opp's C. Tried for absenting themselves from station and duty without leave. Sentence in each case Solt Conf double irons for 30 days and to lose one months pay amounting to $9.00 Ship under foretopmast staysail and square sail to topgallant sails except mainsail, set flying jib and jib and ... on flying jib. Then furled topgallant sails, and settled topsails on cap. Laufing out the afterleaches, set spanker and trysail. E. L. Beard Lieut U.S.N.

6 to 8 PM:- Overcast and cloudy with drizzling rain. Light breze from N.E. by E. Smooth sea. Under foretopmast staysail, foresail, scandalized topsails, maintopsail and spanker. By the wind making course S 80° W to S 76° W. Barometer rising. At 7:00 J.J. Downing Lds was confined in single irons for the night. J. H. Brown Lieut U.S.N.

8 to Meridian:- Cloudy and threatening. Drizzling rain first and last part of watch. Very heavy rain showers from 10 to 10:40. Light breze from S by E to Calm at end of watch. On course N 65° W (p.c.) under scandalized topsails, foresail, foretopmast staysail, trysail and spanker. Barometer steady. Ship steady. Ship not under steerage way for ... of watch. W. L. Patton Lieut U.S.N.

Examined and found to be correct.

E. F. Leiper Lt. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making Passage from San Juan P.R. to Havana Cuba

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Cirrus	CLOUDS. Amount, 1 to 10.	State of the Sea.
A. M.																		
1	0	0	—	NWbW	Calm	0	—	—	30.09	78	74	74	79	o.c.s.r.	Cu-S	NE	10	8
2	0	0	—	NWbW	"	0	—	—	30.08	79	74	74	79	"	"	"	10	"
3	0	0	—	North	"	0	—	—	30.07	80	75	75	80	"	"	—	10	"
4	0	1	—	NNE	West	0-0	—	—	30.05	80	75	75	80	o.c.d.	Cu-S Cu-St	—	10	"
5		1		North	WNW	0-1			30.03	80	75	75	80	"	"	—	10	"
6		5		"	West	1			30.03	80	75	75	80	o.c.	"	—	10	"
7	2	0	66.2	NE	NW	2-3			30.04	80	75	75	80	o.c.g.p.	"	—	10	"
8	1	9	68.1	"	"	3			30.07	80	75	75	80	"	"	—	10	"
9	2	4	70.2	N 39° E	NWbW	6	7° E	7 28°	30.11	80	78	78	80	o.c.g.s.	Cu-S Cu-St	Nwd	10	9/11
10	1	9	71.8	"	"	5	7	28°	30.15	80	78	78	80	"	"	"	10	"
11	1	2	73.0	N 48° E	NNW	5	7	31°	30.15	79	77	77	79	o.c.g.	"	"	10	"
Noon.	1	8	74.8	"	"	5	7	31°	30.12	79	78	78	80	"	"	"	10	"

Position at 8 A. M.: Latitude by Dr — 19° 54' 17" N Mag Compt
Longitude by obs. — 69° 35' 15" W Mag Hdg NE
Position at noon: Latitude by observation — 19° 48' 17" N 86 53 83-81
Longitude by observation — 69° 41' 15" W
Latitude by D. R. — 19° 56' 11" N
Longitude by D. R. — 69° 30' 6" W
Course made good since preceding noon: N 85° W
Distance made good since preceding noon: 13.1 miles.
Distance by Log since preceding noon: 24.7 miles.
Current per hour: 0.5 miles, set S 83° W. true.
Position at 8 P. M.: Latitude by Dr — 19° 54' 11" N
Longitude by obs — 69° 51' 30" W.
Variation of compass:
Error of compass observed at
Deviation of compass on
Water expended during the preceding 24 hours, 550 gallons.
Water during the preceding 24 hours, "
Water remaining on hand fit for use at noon, 10 00 "
Coal consumed during the preceding 24 hours, tons, 2100 lbs.
Coal remaining on hand at noon, 136 " 2138 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Cirrus	CLOUDS. Amount, 1 to 10.	State of the Sea.
P. M.																		
1	1	6	75.7	N 54° E	NWbW	5	7	31°	30.12	78	78	74	80	hc	A. Cu-St	Nwd	8	8
2	1	4	76.1	N 56° E	NNW	4	5	24°	30.11	78	78	75	80	"	"	"	9	"
3		4	76.1	"	"	4	5	24°	30.09	78	77	74	80	"	"	"	9	"
4	2	4	78.5	N 54° E	"		—	24°	30.09	78	77	74	80	"	"	"	9	"
5	2	3	80.8	N 48° E	"	3	—	—	30.10	78	77	74	80	"	Cu-St A-Cu	"	8	"
6	2	3	83.1	N 48° E	"	3	—	—	30.11	78	76	74	80	"	"	"	9	"
7	2	3	85.4	N 48° E	"	3	—	—	30.11	78	76	74	80	"	"	"	9	"
8	2	1	87.6	"	"	3	—	—	30.14	78	76	74	80	"	"	Nbe	9	"
9	6	0	101.1	"	NbyE	3	3	—	30.16	78	75	73	80	hc sm	A-Cu	Nbe	10	"
10	6	8	107.9	"	"	3	3	—	30.17	78	76	73	80	"	"	"	8	"
11	6	0	113.9	"	"	3	3	—	30.18	78	76	74	80	"	"	"	8	"
Mid.		3	120.2	"	"	3	3	—	30.16	78	76	74	80	"	"	"	8	"

4—2-5

under the command of Commander R. S. Davenport, U. S. Navy,

Thursday May 2, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended at 12 M.: Cloudy with rainy weather with obscured moon. Calm & kept for part of fourth hour when had light airs from West. Barometer falling. At end of watch ship dead on the water under foretopmast staysail, forsail, mainsail topsail spanker and scandalized topsails heading about N by E. Ship Lead on ___ hand sounding about N by E by compass.

Geo. N. Hayward Lieut. U. S. N.

4 to 8 A.M.- Overcast and cloudy. Calm at first, and light airs from West. Then squalls of wind and rain from N.W. Ship under foretopmast staysail, forsail, and scandalized topsails. At 6:00 made sail. At 7:30 took in light sails and scandalized topsails. At end of watch ship under jib foretopmast staysail forsail scandalized topsails and spanker.

Course steered after 6 A.M. S 89° W, making good S 6. At daylight Cape Francis, Island Santo Domingo bore in sight on port beam, bearing S.W. distant 8 miles. JJ Downing Pay was released from Confinement as per routine.

E. L. Beach Lieut U.S.N.

8 AM to Meridian: Overcast, cloudy and squally, with dropping rain first part of watch. Moderate to fresh breeze from N.N.W. to N.W.W. Moderate sea. Under jib, foretopmast staysail, forsail and scandalized topsails and spanker. Ship steering course as requested by Commandant, making course S 89° W to S 88° E. At 9:00 called all hands and close reefed the topsails. Hauled down the jib and set main topsail. Barometer rising first half, falling latter half of watch. At 9:30 went to general quarters, division reporting as follows: Cowles, 1 min; 5th, 2 3/4 mins; 1st, 3 mins; Mar, 3 1/2 mins; Sch, 4 mins; 3rd, 5 mins; 2nd, 5 mins. At 9:50 resumed secure, all divisions reporting in 5 mins. Second period gave dividing routine drills. At 8:30 hoisted smoke pipe and put on steaming cones. Started fires in boilers A & D at 9:00 for steaming. Old Cape Francis in sight at end of watch, bearing of riverine Cayo and Isla de Ratones S 76 W at end of watch. 76 8 Meridian to 4 PM:

F. H. Brownson Lieut. U.S.N.

Cloudy and overcast. Stiff to moderate breeze from N.W. light to N.W.W. Barometer fell slightly. During 3rd dog period had routine drills. The 4th Division of the watch had gallery practice from 3 to 3:30 PM. Quit and began fort tack under same sail as preceding watch, making good N 86° E [2:00] and N 89° E [2:30]. Ship hulled 7 points starboard. Using spanker clamps of improved design. At 3:30 Cape Francis in sight at end of watch bearing S 29° W. Boilers A & D in use.

R. R. Galt Lieut U.S.N.

4 to 8 PM: Cloudy, pleasant weather. Gentle breeze from N.N.W. Barometer steady. At end of watch steaming by standard compass, ships head, N 86° E, Cape Cabron, S 29° E, and right tangent Old Cape Francis, S 62 3/4° W. At 4:30 mustered at quarters. At 4:45 went ahead with the engines, called all hands, furled sail, [illegible] sail, setting all fore and aft sail and steered N 65° W by standard compass. The after deck rope of the main topsail parted, the sail was taken in, and a new sail bent and at 6:00 the topsail was set. At 5:20 stopped the main engines to overhaul the low pressure cylinder relief valve and brought the ship by the wind, [illegible] the port tack under fore and aft sail alone, nearly dead in the water, heading about N 35° E by Log Line [illegible] at watch. Steaming 6 to 8 PM: Fair and pleasant. Cloudy.

George N. Hayward Lieut U.S.N.

Gentle breeze from N.N.W. Started steaming with 2 B & D boilers at 6:04, fore and aft sail set. On course N 65° W p.c. of Avg steams 80. Avg rev. 30.8 Compared JJ Downing as per routine

E. L. Beach Lieut U.S.N.

8 PM to Midnight:

Cloudy to overcast with moon showing through at times. Gentle N by E by breeze. Ship steady. Steaming on A & B and D boilers. At 9:30 began distilling, boiler C in use. At 9:50 took in sail, setting the jib, fore and main topmast staysails and spanker. At 9:30, Coast of Santo Domingo bore S by E about 15 miles distant at end of watch. On course N 65 W [p.c.] Log 302 at end. Avg steams 78. Avg revs. 30.4

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper Lieut U.S.N. Navigator.

4—916

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	6	9	27.1	N 68° W.	N by E.	2	—	—	30.14	78	76	74	80	h.c	S Cu	N	9	8
2	7	9	35.0	"	N N W	1	—	—	30.13	78	76	74	80	o.c.	"	"	10	"
3	7	8	42.8	"	"	1	—	—	30.11	78	76	74	80	"	"	"	10	"
4	7	6	50.4	"	"	1	—	—	30.11	78	76	74	80	"	"	"	10	"
5	7	7	58.1	"	N E.	3	1/8°	—	30.11	78	76	74	80	"	Cu	NE	10	"
6	7	7	65.8	"	"	3	1°	—	30.11	78	76	74	80	h.c	N Cu	"	9	"
7	7	4	73.6	"	"	3	1°	—	30.12	78	76	74	80	o.c.	"	"	10	"
8	8	1	81.7	"	"	3	2°	—	30.15	78	76	74	80	"	"	"	10	"
9	8	0	89.7	"	E N E.	3	—	—	30.15	78	76	74	80	"	"	"	10	"
10	7	3	97.0	"	"	3	—	—	30.19	78	76	74	80	"	"	"	10	"
11	8	0	104.8	"	"	3	—	—	30.17	78	77	74	80	h.c	"	"	9	"
Noon.	8	0	113.6	"	"	3	—	—	30.17	77	77	74	79	"	"	"	9	"

Position at 8 A. M.: Latitude by 20°22' 0" N. Mag. Amplitude
Longitude by 71°20'30" W. Bearing of Light

Position at noon: Latitude by observation 20°26'36" N. 86-85 82 81
Longitude by observation 71°42' 0" W.
Latitude by D. R. 20°29' 0" N.
Longitude by D. R. 71°39'30" W.

Course made good since preceding noon: N 71° W.

Distance made good since preceding noon: 120 miles.

Distance by Log since preceding noon: 131.9 miles.

Current per hour: 1/2 miles, set S 45° W true.

Position at 8 P. M.: Latitude by 20°31'17" N.
Longitude by 72°41' 0" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 14450 "

Coal consumed during the preceding 24 hours, 9 tons, 80 lbs.

Coal remaining on hand at noon, 127 " 2058 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	1	9	41.0	N 68° W														
	1	3	47	N 74° W	N E.	3	4°	—	30.10	80	77	77	78	o.c.p.	S Cu Cirrus	NE	10	8
2	3	0	99.2	"	"	4	4°	—	30.14	79	76	75	77	"	"	"	10	"
3	2	1	111.3	"	E N E.	3	—	—	30.18	78	76	75	77	"	"	"	10	"
4	2	1	141.0	"	"	3	—	—	30.17	77	75	73	78	"	S Cu Cirrus	"	10	"
5	1	8	153.8	"	"	3	—	—	30.16	77	75	73	78	o.c.cu.	"	"	10	"
6	3	0	165.8	"	N E by E.	3	—	—	30.17	77	76	73	78	o.c.	Cirrus	"	10	"
7	2	7	178.5	"	"	3	—	—	30.19	78	76	73	78	h.c.	S Cu	"	9	"
8	2	6	190.1	"	"	3	—	—	30.20	78	76	73	78	"	"	"	10	"
9	2	2	202.1	N 77° W	N E by E	3	—	—	30.22	78	76	73	78	h.c.	S Cu	NE	10	8
10	3	0	214.1	"	"	4	—	—	30.22	78	76	73	78	"	"	"	10	"
11	3	1	225.2	"	"	4	—	—	30.22	78	76	73	78	o.c.cu	"	"	10	"
Mid.	3	0	236.2	"	"	4	—	—	30.24	78	76	73	78	"	"	"	10	"

under the command of Commander R. G. Davenport, , U. S. Navy,

Friday May 3 , 190 / .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended with Clear. Lights. Gentle breeze to light airs from N by E to N. N. W. Barometer falling. Ship steady. On course S 86° W (p.s.c.) under foresail aft sails except mainstaysail and flying jib and steam on boilers at 5.30 A. Bold. Continue for different courses, steam as before. 4.48 A. Hoisted U.S.N.

W. H. Watson
Lieut. U. S. N.

Cloudy, weather. Gentle breeze from N.E. Barometer steady. Crossed bilges outside of Engineer's Department. At 6.00 set flying jib and foresail, and at 7.15 set the topsails. At daylight made out north coast of Kahoolawe on port bow. Rounded off watch under steam at 8.15 A. Hoisted and the foresail, the topsails and all forward of sail but the mainstaysail were set. Noted Navy standard compass, Distilling in use, steam from 6 boilers. At end of watch bearings by standard compass: ships head, N 85° W; Molokai Light, S 60° E; Lahaina Light, S 20° E; and mountain near Lahaina, S 20° E.

Geo. N. Hayward
Asst. Engr. U. S. N.

and
Lieut. U. S. N.

8 to 12 Meridian. Overcast and cloudy. Gentle breeze from E. to E.S.E. Steaming with 6 boilers as at 4.30 A. Hoisted in when stopped steaming and proceeded under sail, distilling with 6 boilers. At 8.30 steam as per revs. 47. Under foresail and fore and aft sail except mainstaysail. At 9.00 set royals and topgallantsails, and hauled down flying jib, jib and mainstaysail stagsail. By order of Comdr. Officer, released from confinement, Apt 3 C. J. Barnes, term. 1 year, and confined for 14 days in solitary confinement, Mach 1 R. Bain, as per sentence of G. C. M. Vide 4 quarter at 9.30. Fire quarters sounded at 9.45. Divisions reported as follows: 4th, 1 min; Pt. Engineer 1st 2; 3rd 2; Marines 3; 2nd 3; 5th 3. Provision cask sounded at 10.2 M. Abandon ship at 10.3 all boats reported provided in 6 min. Secure sounded at 10.4 M. All secured in 3 min. Away and away sounded at 11.30 A.M. All boats provided in 3 min. Secure sounded at 11.40. All secured in 2 min. Punishments were awarded by Comdg Officer as follows: C. Kelly, mastering 2 hrs. extra duty. W. S. Turner, uttering at defiance Art 29 of Navy Reg, 5 days solitary confinement on bread and water. E. Rischel, 2 hrs extra duty. J. Steger, 2 hrs extra duty and C. Kelly 12 hrs extra duty, all for having tobacco in their possession. The boys reported 5 minutes for being late. A. L. Ennis, 2 hrs extra duty. J. Verdt, 2 hrs extra duty. W. C. Theodeaux, 2 hrs extra duty. E. P. Mayhue 2 hrs extra duty. R. Cox, 2 hrs extra duty. W. W. Dickenson 2 hrs extra duty. R. Barbatore, 2 hrs extra duty. C. Ennis, 2 hrs extra duty. W. S. Turner, for lying and slow in obeying orders, 2 hrs extra duty. C. Stiles, for lurking and slow in obeying orders, 2 hrs extra duty. C. Pederson, asleep on lookout, 12 hrs extra duty. All above offenders being apprentices 2nd class. Ship's Company 445 M. Between watches 11 o'clock were set back 2 minutes, Island of Kaho'olawe distant 10 miles.

E. A. Roach
Asst. Engr. U. S. N.

Meridian to 4 P.M. Overcast, cloudy and misty. Moderate to gentle N.E. to E. by S. Gentle breeze. Ship steady. At 12.30 log 129, changed course to S 70° W (p.s.c.). At 1.00 hauled up foresail. At 2.20 hauled royals. At 3.0 3rd period drill, running out and cleaning all the starboard 4" B.L. Rifles. At 3.30 division boat practice with gatling rifle, 3.50 to 4.20. Distilling, boilers 6 in use. At 3.30 set foresail, and at 3.40 set royals. At end of watch on course S 70° W (p.s.c.) under jib, foretopmast stagsail and square sails and mainsail, log 180. Lat. 20° 51' N.

Ralph Earle,
Ensign U.S.N.

Overcast, cloudy and misty. Gentle breeze from E.S.E. to S.E. by E. Smooth sea. Under jib, foretopmast stagsail and all square sail except mainsail, course S 70° W. Steam on boilers 6, Distilling. At 4.30 rounded up to quarters. At 4.35 called all hands to shorten sail, furled all sail except the royals and foresail and furled royals. At 5.0 Barometer nearly steady.

W. H. Watson
Lieut. U. S. N.

4 to 8 P.M. Overcast. Gentle breeze from S.E. by E. Barometer rose .1. At 5 P.M. running lights displayed. At 6.30 P.M. set mainsail, course S 70° W (p.s.c.). Steam on boilers 6 for watering.

W. H. Watson
Lieut. U. S. N.

8 P.M. to Midnight. Cloudy, pleasant weather during the watch. Gentle breeze from S.E. by E. increasing to moderate breeze. Passed under high land steady. At 8.30 patent log reading 345, changed course to S 70° W by standard compass. At 9.30 took in the main topgallant to Kuku. Down the Spanish Main 5 knots. At end of watch ships head under the lee of the land on course S 70° W by standard compass. Distilling with steam from 6 boilers.

Geo. N. Hayward,
Asst. Engr. U. S. N.

Examined and found to be correct.

E. F. Leiper.
Lieut. U. S. N. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex and **Rate,**

Making Passage from San Juan P R to Panama Entrance

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving. form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	2	8	39.0	N 77° W	E.N.E.	3	—	—	30.20	78	76	74	78	c.c.	St. Cu. East		10	S
2	2	3	41.3	"	"	3	—	—	30.19	78	76	74	78	"	"	"	10	"
3	2	2	43.5	"	N.E.	3	—	—	30.17	78	76	74	78	"	"	"	10	"
4	2	4	45.9	"	"	3	—	—	30.15	78	76	74	78	h.c.	"	"	9	"
5	2	3	48.2	"	"	3	—	—	30.16	78	76	74	78	"	"	"	9	"
6	2	2	50.4	"	"	3	—	—	30.16	78	76	74	78	"	"	"	8	"
7	2	7	53.1	"	"	4	—	—	30.17	78	76	74	78	"	"	"	9	"
8	3	2	56.3	"	"	4	—	—	30.17	78	78	75	78	c.c.	"	"	10	"
9	2	7	58.7	"	"	4	—	—	30.21	77	79	75	78	h.c.m.	St.Cu.	"	6	"
10	2	6	61.3	"	"	4	—	—	30.21	78	79	75	78	"	"	"	7	"
11	2	5	63.8	"	E.N.E.	4	—	—	30.21	78	79	75	78	"	"	"	6	"
Noon.	2	4	66.2	"	"	4	—	—	30.21	78	79	75	78	"	"	"	6	"

Position at 8 A. M. { Latitude by DR / Longitude by obs. } 20°36'33" N / 73°0'15" W — May Tombit / Punta Gallinas

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } 20°36'33" N / 73°11'6" W / 20°38'42" N / 72°48'36" W — 86-80 / 83-52

Course made good since preceding noon: N 83° W

Distance made good since preceding noon: 84 miles.

Distance by Log since preceding noon: 78 15 miles.

Current per hour: 0.84 miles, set S 85° W true.

Position at 8 P. M. { Latitude by / Longitude by } 20°42'30" N. / 73°39'30" W

Variation of compass: 3° W

Error of compass observed at 4.46 P.M. 0° 50' E

Deviation of compass on N 63° W 3° 30' W

Water expended during the preceding 24 hours, 5880 gallons.

Water Distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 23 00 "

Coal consumed during the preceding 24 hours, 1 tons, 1860 lbs.

Coal remaining on hand at noon, 126 " 198 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving. form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	2	5	66.2 / 69.2	N 77° W / N 75° W	E.N.E.	3	—	—	30.18	78	80	75	78	h.c.	Cu.	N.E.	2	S
2	2	0	69.3	"	"	3	—	—	30.16	78	80	75	78	"	"	"	2	"
3	2	2	71.5	"	"	3	—	—	30.15	78	80	75	78	"	"	"	1	"
4	2	2	73.7	"	"	3	—	—	30.14	78	78	73	78	"	"	"	1	"
5	2	4	76.1	"	E by N.	4	—	—	30.16	78	77	73	78	h.c.m.	St.Cu.	East	3	"
6	2	5	78.6	"	"	4	—	—	30.17	78	77	73	78	"	"	"	3	"
7	2	5	81.1	"	E.N.E.	4	—	—	30.18	78	77	73	78	"	St.Cu.	"	3	"
8	2	8	83.9	"	"	4	—	—	30.20	78	77	73	78	"	St.Cu.	"	1	"
9	2	0	85.9	"	East	4	—	—	30.18	78	76	73	78	h.c.	"	"	1	"
10	1	5	87.4	"	"	4	—	—	30.20	78	76	73	78	"	"	"	1	"
11	1	1	88.5	"	"	4	—	—	30.20	78	76	73	78	"	St.Cu.	"	2	"
Mid.		6	89.1	"	E.N.E.	3	—	—	30.20	78	76	73	78	"	"	"	3	"

under the command of Commander R. S. Dorsey, U. S. Navy,

Saturday May 11 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Windy and pleasant. Gentle breeze from E.S.E. to N.E. Ship on course [p.s.c.] N 77° W. under jib, foretopmast staysail, topsails and forty-gaff sail. Distilling.

E. L. Beach Lieut U.S.N.

8 to 8 M. Cloudy to overcast. Gentle to moderate N.E. by E. breeze. By order of the Captain at 5:00 released J. J. Fleming, Ld. from confinement. Mustered and sent the apprentices over the masthead. Took in foretopgallant sail at 7:00. At daylight 6:30 sighted Island bearing S 35° W. Distilling. Cooler, Engines. On course N 77° W. [p.s.c.] log 96.3 at end of watch, under topsails, jib and foretopmast staysail, and the Island Fortuga Island bore S 10° E.

Ralph Earle Ensign U.S.N.

Barometer steady. Smooth sea. At 7:05 shifted main topsails

8 P.M. to Midnight.- Cloudy weather. Moderate breeze from N.E. by E. and hauled down foretopmast staysail. Under jib and spanker. Set topsails the remainder of watch. Course N 77° W. Cleaning ship. At 9:00 went to quarters for inspection of bedding and dirty bags. Set clock back eight minutes and hours. The Captain awarded Furnishmont to C. A. Robinson, Mess Att. for repeated neglecting his duty, such conduct to be 2 months. Steam on boiler 6. Distilling. Fortuga Islands in Sight. Discharged Gunner's Gang to Island of watch.

F. H. Brown Lieut U.S.N.

Midnight to 4 A.M. Fair and pleasant. Barometer falling. Gentle E. to N.E. by E. breeze. On course N 77° W. [p.s.c.] until 12:30 when changed course to N 70° W. [p.s.c.] [illegible] reading 6.2 under second reefed topsails and jib. The Island of Fortuga faded from sight at 2 A.M. bearing S 35° E. The masthead lookout sighted land on starboard bow. Steam on boiler 6 for distilling.

W. L. Bass Lieut U.S.N.

4 to 8 A.M. Fair, pleasant and hazy weather. Moderate breeze from E. by N. Barometer steady. Smooth sea. At 4:30 mustered at quarters. At end of watch ship under the jib and the topsails reefed alayed with the wind on the starboard quarter, on course N 70° W. by standard compass. Distilling with steam from boiler No. 6.

Lieut U.S.N.

8 to 8 M. Fair and pleasant. Moderate breeze from E. by S. Barometer steady. Smooth sea. At 7:30 mustered at quarters. At end of watch ship under the jib and the topsails reefed alayed with the wind on the starboard quarter, on course N 70° W. by standard compass. Distilling with steam from boiler No. 6.

Lieut U.S.N.

8 to 8 M. Fair and pleasant. Moderate breeze from E.S.E. Full moon rose at 7:00. Ship on course N 70° W. Under foretopmast staysail and reefed alayed to passby Great Inagua light bore N 1° W. at 8 o'clock distant about 12 miles. Distilling. Boilers

E. L. Beach Lieut U.S.N.

8 P.M. to Midnight.- Fair and pleasant. Bright moonlight. Moderate to gentle E.N.E. to E.S.E. by breeze. Distilling. Boiler Engines. At 9:00 Great Inagua light abeam, log 87.2 and hot 12.5 on it bore N 35° E. Took in jib at 9:00, setting it again at 11:30. Set flying jib at 9 o'clock during it drawing at 11:30. Under reefed alayed topsails and jib. On course N 70° W. [p.s.c.] log 87.1 at end of watch.

Ralph Earle Ensign U.S.N.

Examined and found to be correct.

F. F. Leitch Lieut U.S.N. Navigator.

4—503

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.															a. Cu			
1	0	9	90.0	N 70° W.	E.N.E.	3	—	—	30.18	78	75	72	78	b.c.	"u	N.E.	3	8
2	1	5	90.8	"	"	3	—	—	30.17	78	75	72	78	"	"	"	3	"
3	1	5	91.5	"	N.E.	3	—	—	30.17	78	75	72	78	b.c.w.	Fa. Cu a. Cu	"	4	"
4	1	5	92.3	"	"	4	—	—	30.16	78	75	72	78	"	Fa. Cu	"	5	"
5	1	5	93.2	"	"	3	—	—	30.15	78	76	72	78	b.c.	"	"	3	"
6	1	5	94.1	"	"	3		—	30.15	78	75	72	78	"	"	"	3	"
7	2	0	94.9	"	"	3		—	30.16	78	76	72	78	"	"	"	3	"
8	1	2	95.0	"	"	3			30.17	78	76	72	79	"	"	"	3	"
9	1	8	95.7	"	E by N	3	—	—	30.22	79	78	76	79	"	Fa. Cu a. Cu	East	2	"
10	1	5	96.1	N 55° W	"	3	—	—	30.21	79	76	74	79	"	"	"	2	"
11	1	4	96.4	N 11° W	"	3	—	—	30.21	79	77	74	79	"	"	"	1	"
Noon.	1	2	96.8	"	E.N.E.	2	—	—	30.20	79	76	74	78	"	"	—	1	"

Position at 8 A. M. { Latitude by DR / Longitude by obs } 20° 47' 45" N. May Trusts; 74° 4' 18" W. Fix 80 Off. 88.82

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } 20° 46' 45" N. 74° 10' 2" W. 20° 49' 12" N. 73° 54' 6" W.

Course made good since preceding noon: N 80° W.

Distance made good since preceding noon: 86.5 miles.

Distance by Log since preceding noon: 96.8 miles.

Current per hour: .6 miles, set S 81° W. true.

Position at 8 P. M. { Latitude by Polaris / Longitude by obs } 20° 52' 18" N. 74° 16' 30" W.

Variation of compass: 1° Ely

Error of compass observed at 4:38 P.M. 2° 46' Why

Deviation of compass on N 61° W. 30 45' Why

Water expended during the preceding 24 hours, 830 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 1 tons, 360 lbs.

Coal remaining on hand at noon, 124 " 2078 "

P. M.																		
1	1	2	97.1	N 63° W	N.E.	2	—	—	30.18	77	79	74	78	b.c.	Cu	East	1	8
2	1	4	97.1	"	"	2	—	—	30.15	77	81	75	78	"	"	"	2	"
3	1	2	97.1	"	"	2	—	—	30.14	77	82	76	78	"	"	"	2	"
4	1	2	97.1	"	"	2	—	—	30.14	77	82	76	78	b.c.w.	"	"	1	"
5	1	4	—	"	N.N.E.	2	—	—	30.11	78	79	75	78	b.c.	Cu-Ca	"	1	"
6	1	5	—	"	"	3	—	—	30.11	78	77	74	78	"	"	"	1	"
7	1	5	—	"	"	4	—	—	30.13	78	76	74	78	"	"	"	1	"
8	1	7	—	"	N E by N	4	—	—	30.14	79	76	73	78	"	"	"	2	"
9	1	3	—	"	"	4	—	—	30.15	78	76	73	78	b.c.w.	"	"	3	"
10	2	3	—	"	N.E.	4	—	—	30.17	78	76	73	77	"	"	"	2	"
11	2	3	—	"	N E by E	4	—	—	30.18	77	75	72	77	"	"	"	2	"
Mid.	2	1	—	"	E by S	4	—	—	30.18	77	75	72	77	"	"	"	2	"

under the command of Commander R. G. Davenport, U. S. Navy,

Sunday May 5 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Partly cloudy pleasant weather. Gentle to moderate breeze from E. by E. to N. E. Smooth sea. Barometer steady. Under jib and scandalized topsails. Course N 70° W. At 2.40 sighted the Island of Cuba bearing S 30° W. At 1.40 stopped distilling Fires dying out in boiler C. PM. at end of watch 92.3

F. H. Brown Lieut U. S. N.

4 to 8 AM. Fine and pleasant. Bright moonlight until day break. Gentle N. E by E breeze. Barometer rose slightly. At 5 J. J. Downing, Ca was released from confinement. At 5:50 mustered and sent upper officers & by watch and Quarters. On course N 70° W under jib and scandalized topsails until 7.30 when set the after of mainsail to pay off ships head. Fires out. Sighted the Island of Cuba in sight on port beam.

W. T. Bum Lieut U. S. N.

8 AM to Meridian:- Fine and warm weather. Gentle breeze from E by N falling to light breezes and baffling to E. N. E. Barometer falling. At 9.30 mustered at quarters, called all the hands aft and read the Articles for the Better Government of the Navy and Department General Orders Nos 24, 25, 26, 27, 28, 29, 30, 31 and 32. Held divine services. Two Boston fruit steamers stood across our bows towards Cape Mayei, and a black bark ij at end of watch, three points abaft port beam on a parallel course. At 8.35 cleared up main topsail. At 8.35 hoisted flying jib and hauled up foresail. At 8.55 hoisted jib. At 11.40 hoisted foretopmast staysail. At end of watched ship under all head sail and the foretopsail scandalized braced sharp up by the starboard braces, making good the course N 66° W by standard compass, with the north coast of Cuba on port hand, the high land above Cape Mayei bearing S 77 W standard compass, ships head N 66° W. Smooth Sea.

George N. Hayward Lieut U. S. N.

Meridian to 4 PM:- Warm and pleasant. Light breeze from N. E. Ship on course N 63° W [per c.] Under head sails and scandalized foretopsail. Northern coast of Cuba on port beam. At end of watch a bark in sight on port bow and a steamer on port quarter. At 2.05 PM changed dip of colors with British steamship Barnstable

E. L. Beach Lieut U. S. N.

4 to 8 PM:- Clear and fine. Light to gentle N. N. E by E breeze. At 4.30 mustered at quarters. At 4.45 P. Norwegian steamer Dagnov passed close astern and out of sight to North at 5.00 Took in flying jib and foretopmast staysail at 5.10. Last night of bark at 6.00 bearing west. Northern coast of Cuba on port beam. S. W. On course N 63° W [per c.] under jib and scandalized topsails.

Ralph Earle Ensign U. S. N.

8 to 8 PM:- Clear and pleasant. Moderate breeze from N. N. E. to N. E by N. Smooth sea. Barometer nearly steady. Under jib and scandalized foretopsail. At 7.25 set foretopmast staysail. Last night of the Island of Cuba at dusk bearing S. S. W. Course N 63° W. At 7.40 J. J. Downing Ca was confined in single irons for the night.

F. H. Brown Lieut U. S. N.

8 PM to Midnight:- Fine and pleasant. Moon rose at 8.15. Moderate to stiff breeze from N. E to E by S. Barometer rising. At 9.45 a steamer passed astern heading to the Southward and Eastward. On course N 63° W [per c.] under scandalized foretopsail, jib and foretopmast staysail. The flying jib was set from 9.00 to 9.50 to help ships head off to the course. Ship carrying heavy weather helms

W. T. Bum Lieut U. S. N.

Examined and found to be correct.

F. F. Low Lieut U. S. N. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	1	7	—	N 63° W.	East	4	—	—	30.14	77	74	71	78	h.c.	Cu Cu	East	1	8
2	1	8	—	"	"	4	—	—	30.12	77	74	71	78	"	"	"	3	"
3	1	5	—	"	E by S	4	—	—	30.10	77	74	71	78	"	"	Ehs	3	"
4	1	4	—	"	"	3	—	—	30.10	77	74	71	78	"	"	"	4	"
5	1	9	—	"	"	3			30.11	77	74	71	75	"	"	"	7	"
6	1	6		"	"	3			30.11	77	74	71	75	"	"	"	6	"
7	1	7		"	"	2			30.12	77	75	72	75	"	"	"	6	"
8	1	6		"	"	2			30.12	77	75	72	75	"	"	"	5	"
9	1	3		"	"	2			30.13	77	76	74	75	"	Cu Cu	"	4	"
10	1	6		"	"	2			30.14	78	78	74	75	"	"	"	3	"
11	1	5	97.1	"	"	2			30.15	78	79	75	78	"	"	"	2	"
Noon.	2	0	98.5	"	"	3			30.15	78	79	75	75	"	"	"	1	"

Position at 8 A. M. { Latitude by DR. 21° 0' 6" N Mag Tempts
Longitude by Ch. 74° 36' 0" W Ship's Apt

Position at noon: { Latitude by observation 20° 55' 20" N 84-85 83-82
Longitude by observation 74° 42' 0" W
Latitude by D. R. 21° 2' 30" N
Longitude by D. R. 74° 48' 9" W

Course made good since preceding noon: N 77° W

Distance made good since preceding noon: 36. miles.

Distance by Log since preceding noon: 38.8 miles.

Current per hour: 0.4 miles, set S 30° E. true.

Position at 8 P. M. { Latitude by Polaris 21° 8' 10" N
Longitude by Ch. 75° 6' 30" W

Variation of compass: 1° 12' Ely

Error of compass observed at 4:39 PM 20 47' Wly

Deviation of compass on N 57° W 30 59' Wly.

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 124 " 1578 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	1	1	98.1	N 63° W														
1	1	1	98.7	N 60° W.	East	3	—	—	30.17	78	81	76	78	h.c.	h.c.	—	2	8
2	2	2	98.9	"	"	3	—	—	30.15	78	82	76	78	"	"	—	2	"
3	2	2	01.3	"	E by S	3	—	—	30.14	78	81	76	78	"	"	—	1	"
4	2	2	3.0	"	"	3	—	—	30.12	78	79	74	78	"	h.c.	—	2	"
5	2	0	5.0	"	"	3	—	—	30.08	78	79	75	78	"	"	—	2	"
6	2	1	7.3	"	"	3	—	—	30.08	78	78	75	78	"	"	—	3	"
7	2	2	9.4	"	"	3	—	—	30.10	79	76	74	78	"	"	—	3	"
8	1	8	11.2	"	"	3	—	—	30.12	79	76	74	78	"	"	—	3	"
9	1	5	12.6	N 67° W	E by S	4	—	—	30.12	79	76	74	78	h.c.	h.c.	—	0	"
10	1	5	14.1	"	"	4	—	—	30.14	79	76	74	78	h.c.	Cu Cu	NE	3	"
11	2	0	15.7	"	"	4	—	—	30.15	79	76	74	78	"	"	"	5	"
Mid.	1	8	17.1	"	"	4	—	—	30.15	79	76	75	78	h.c.	"	"	5	"

under the command of Commander R. G. Davenport, U. S. Navy,

Monday May 6 ,190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and united at 4 AM: Fair and pleasant weather, Moderate breeze from East passing to gentle breeze and handing to E by S Barometer Steering Ship standing along with north shore of Cuba in sight on port hand under jib, [illegible] Foretopsail Foretopsail and Flying Foretopsail on course N 63° W by standard compass.

4 to 8 AM: Warm and pleasant. Gentle to light breeze from E by S Ship on course N 63° W under jib, foretopmast staysail and scandalized Foretopsail At 7:30 took in latter and hoisted flying jib. At daybreak sent apprentices over masthead. Northern coast of Cuba in port hand. In accordance with routine released from confinement [illegible] Steering Sqd.

E. L. Beach Lieut U. S. N.

8 AM to Meridian.

Fair and pleasant Light to gentle E by S breeze. At 8 AM scandalized foretopsail, and at 8:45 did same with main. At 9:30 set foresail, and at 9:45 set foretopsail. At 9:30 mustered at quarters. Ship at this date with numbers of all apprentices stationed at same in divisions for general and fire quarters; at boats for abandon ship and manning; and in parts of ship at stations aloft. At 11:45 scandalized foretopsail. Overhauled and put in order all electric circuits, call bells and annunciators. At 11:45 shot our patent log reading 92.1.

The Captain assigned punishments as follows:- J. H. Whaley, A.S.C., disobedience of orders, 2 hours extra duty; W. S. Miller, Mott, disobedience of orders, sick bay; W. F. Kane, A.S.C., returning to the officer of the deck disrespectfully, 3 days solitary confinement on bread and water; G. J. Earle, Ed. Mack, making unnecessary noise on engine room, 2nd class; J. Cobb, A.S.C., creating disturbance in mess, 12 hrs extra duty; L. S. Pringle, A.S.C., chewing tobacco (2 hours extra duty, C. Barnes, for former mess 20 hrs extra duty for latter) and L. Stage, A.S.C., having tobacco in possession, 28 hrs extra duty; C. Green, A.S.C., same, 12 hours extra duty; C. R. Comsten, W. J. Delahanty, and C. H. Lemm, Appr 3 C., asleep 2 hours extra duty each; W. Eberline, A.S.C., disregard of saddle, 4 hours extra duty; E. Kelly, Appr 3 C., smoking, 2 hours extra duty. Coast of Cuba on port beam all watch. On course N 63° W [per C.] under scandalized foretopsail, foresail and head sails, log 95 sl and 2 watch.

Ralph Earle, Ensign U. S. N.

Meridian to 4 PM: Clear and pleasant. Gentle breeze from East to E by S. Smooth sea, Barometer steady. Under flying jib, jib, foretopmast staysail foresail and scandalized foretopsail. Course N 63° W until 12:30 when changed course to N 66° W. Log 98.1. P.M. at end of watch 30 Coast of Cuba on port beam all the watch. At 1:30 instructed apprentice divisions in seamanship. At 2:00 the first division of the watch had gallery target practice.

J. H. Hansen, Lieut U. S. N.

4 to 8 PM: Clear and fine, hazy. Barometer steady, gentle breeze from E by S. At 4:30 went to quarters for muster. All hands exercised at sail drill from 4:30 to 5:30. At end of watch on course N 66° W (by C.) under scandalized foretopsail, foresail and jib. The Island of Cuba in sight on port beam. At 6 PM [illegible]

[illegible] Lieut U. S. N.

8 PM to Midnight. Fair and very pleasant weather. Gentle breeze from E by S. Barometer [illegible] At 9:30 shook out both topsails and hoisted the flying jib. At end of watch ship under jib and flying jib on course N 60° W by standard compass. At 10:30 [illegible] Log 109.1 Ship in regular routine for the night.

George N. Hayward Lieut U. S. N.

8 AM to Midnight. Fair and pleasant. Moderate breeze from E by S. Steering [per C.] N 60° W until 8:16 when changed course to N 67° W. Set log 95. Under jib and flying jib. Moon rose at 9:12.

E. L. Beach Lieut U. S. N.

Examined and found to be correct.

E. F. Lyon, Lieut U. S. N. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Form.	Amount, scale 10 to 1.	State of the Sea.
A. M.																		
1	1	8	18.4	N 67° W.	Ely S	4	—	—	30.10	78	76	74	78	b.c.m.	Blue	East	7	8
2	1	4	19.4	"	"	3	—	—	30.09	78	76	74	78	"	"	"	6	"
3	1	6	20.7	"	"	3	—	—	30.08	78	76	74	78	"	"	"	6	"
4	1	4	22.0	"	"	3	—	—	30.08	78	76	74	78	"	"	"	6	"
5	1	0	22.7	"	"	2	—	—	30.10	79	76	75	78	"	"	"	6	"
6	1	5	22.7	"	"	2	—	—	30.10	79	76	75	78	b.c.	"	"	5	"
7	1	6	22.8	"	"	2	—	—	30.11	79	76	75	78	"	"	"	5	"
8	1	3	23.1	"	"	2	—	—	30.12	79	76	75	78	"	"	"	5	"
9	1	6	23.8	"	"	3	—	—	30.15	79	80	77	78	"	"	"	5	"
10	1	5	24.8	"	"	3	—	—	30.15	79	81	77	78	"	"	"	5	"
11	1	4	25.8	"	"	3	—	—	30.15	79	79	76	78	"	"	"	4	"
Noon.	1	6	26.9	"	"	3	—	—	30.14	79	79	76	78	"	"	"	4	"

Position at 8 A. M. { Latitude by D.R. / Longitude by obs. } 21° 9' 14" N — Flag Staff Steeple
75° 30' 30" W — Fort off

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } 21° 22' 45" N — 84-84
78° 41' 07" W — 78-82
21° 11' 20" N
78° 23' 8" W

Course made good since preceding noon: N 64° W

Distance made good since preceding noon: 62. miles.

Distance by Log since preceding noon: 42.6 miles.

Current per hour: 8 miles, set N 56° W true.

Position at 8 P. M. { Latitude by Polaris / Longitude by obs. } 21° 34' 56" N
75° 38' 33" W

Variation of compass: 1° 20' Ely

Error of compass observed at 4:49 PM: 2° 22' Wly

Deviation of compass on N 69° W.: 3° 42' E

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 2030 lbs.

Coal remaining on hand at noon, 123 " 1788 "

P. M.	0	7	27.4	N 67° W															
1	0	7	28.0	N 69° W	Ely S.	3	—	—	30.12	79	80	76	78	b.c.	Blue	E	1	8
2	1	8	29.2	"	"	3	—	—	30.10	79	80	76	78	"	"	"	1	"
3	1	4	30.2	N 58° W	East	4	—	—	30.07	79	79	75	78	b	—	—	0	"
4	1	4	31.5	N 69° W	"	4	—	—	30.06	79	79	75	78	"	—	—	0	"
5	1	5	32.9	"	Ely S	4	—	—	30.06	79	78	75	78	b.c.	Blue	—	2	"
6	2	0	34.3	"	"	4	—	—	30.08	79	77	75	78	b.c.m.	"	—	2	"
7	1	4	35.2	"	E.S.E.	4	—	—	30.08	79	77	75	78	"	"	—	2	"
8	1	8	36.1	"	E by E	4	—	—	30.08	79	77	75	78	b.m.	None	—	"	
9	2	2	38.3	N 78° W	"	3	—	—	30.08	80	76	75	78	"	—	—	—	"
10	1	8	39.6	"	E.S.E.	3	—	—	30.10	80	76	75	78	b.c.m.	Blue	East	3	"
11	1	7	41.3	"	East	2	—	—	30.10	80	76	75	78	"	Blue	"	3	"
Mid.	2	9	44.2	"	E.S.E.	3	—	—	30.10	80	76	75	78	"	"	"	4	"

under the command of Commander R. G. Davenport, U. S. Navy,

Tuesday May 7, 190 /.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 AM:- Cloudy and pleasant. Bright moonlight. Moderate to gentle Eby S by E breze. At 2:02 sighted Cape Lucrecia Light bearing S 88° W and at end of watch it bore S 80° W. At end of watch under jib and flying jib on course N 76° W [p.s.c.] log 22.0. Ralph Earle, Ensign U.S.N.

8 to 8 AM:- Partly cloudy and pleasant. Light breze from E by S. Smooth sea. Barometer nearly steady. Under jib and flying jib. Course N 76° W. Cape Lucrecia light in sight until daylight bearing at daylight S 89° W. Coast of Cuba in sight on port bow after daylight. At 6:00 received on board J. D. Downing, Pay from confinement. Scuttle hammocks of the past watch. 8 AM Meridian. F. H. Brown, Lieut U.S.N.

Fine and pleasant. Gentle breze from E by S. Barometer steady. Passing clumps of sea weed. The island of Cuba in sight along port beam about 15 miles distant. The Captain imposed following punishments:- C. Nelson, A.S.C. and W.B. Wilson, A.S.C., gunn 6 hours each of extra duty for endangering clothing without authority. On course N 67° W under jib and flying jib until 9 AM, when hauled down flying jib. At 11:30 hauled down jib and set flying jib. Burning 1st and 2nd drill periods the battalion formed ~~for~~ landing force in heavy marching order. F. H. Brown Lieut U.S.N.

Meridian to 4 PM:- Fine and warm weather. Gentle breze from E by S, backing to East and occasionally to ESE at moderate breeze. Barometer falling. At 1:00 turned in the clean hammocks, at quarters. At 2:20 furled the flyjib and hoisted the jib. At 3:05 hauled down the jib. At end of watch ship under the flying jib, wind nearly aft on course N 69° W by Standard compass with land in sight. Course N 69° W by Standard compass, ships head N 69° W. Unbending maintopsail. George N. Halpin Lieut U.S.N.

4 to 6 PM:- Fair and pleasant. Moderate breze from E by S. Ship on course N 69° W. Under flying jib. Island of Cuba on port hand. Went to quarters at 4:30. Served out clean hammocks to starboard watch. Then exercised at making and furling sail. Bent maintopsail. Finished overhauling and cleaning cylinders and steerings of two after 6 pdrs mounts, and renewed lignid. E. Beach Lieut U.S.N.

6 to 8 PM:- Clear and pleasant. Moderate ESE to S to S by E breze. By order of the Captain confined J. D. Downing, Pay, in single irons for the night. At dusk lost sight of Cuba bearing S to E. Under flying jib, on course N 69° W [p.s.c.] log 36.1 at end of watch. Ralph Earle, Ensign U.S.N.

8 PM to Midnight:- Clear and pleasant. Light to gentle breze from S by E to East. Smooth sea. Barometer steady. At 8:02 changed course to N 78° W. P.S.C. At 8:30 set jib and all square sail. Kept mainsail. Hoisted smoke pipe and put on mainmast. Log over 92 at end of watch. F. H. Brown, Lieut U.S.N.

Examined and found to be correct.

E. F. Leeper
Lieut U.S.N. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex 3rd. **Rate,**

Making Passage from San Juan P.R. to Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount. scale 10.	State of the Sea.
A. M.																		
1	3	2	44.4	N 78° W.	SE by E.	4	—	—	30.11	78	78	74	77	h.c. m.	Cu	SE	4	8
2	2	7	50.1	"	"	3-4	—	—	30.11	78	76	74	77	"	"	"	5	"
3	2	0	54.5	"	South	3	—	—	30.10	78	77	76	77	"	"	"	4	"
4	1	6	57.2	"	SSE	2	—	—	30.10	78	77	76	78	"	Cu	"	2	"
5	1	0	58.2	"	"	1	—	—	30.10	78	77	75	78	h.c.m.	"	"	6	"
6	0	4	—	Steer N 75° W Ship's Head	"	1-0	—	—	30.10	78	77	75	78	"	"	"	6	"
7	0	0	—	Ship's Head	Calms	0	—	—	30.10	79	79	76	78	h.c.m.	Cu	"	6	"
8	0	9	—	N 9° E	Shy	1	—	—	30.12	79	80	77	78	"	"	"	4	"
9	1	0	—	N 20° E	SSE.	1	—	—	30.16	79	82	78	78	h.c.m.	S	—	4	"
10	1	0	—	N 11° E	"	1	—	—	30.16	79	83	78	78	"	"	—	3	"
11	1	5	—	S 85° W	"	2	—	—	30.14	80	83	79	78	"	"	—	2	"
Noon.	1	4	—	"	SE.	2	—	—	30.14	80	80	76	77	h.c.m.	None	—	0	"

Position at 8 A. M. { Latitude by DR: 21° 21' 21" N. Flag Staff Point
Longitude by obs: 76° 32' 13" W. Tower of Morro 83-84 83-8

Position at noon: { Latitude by observation
Longitude by observation
Latitude by D. R.: 21° 33' 05" N.
Longitude by D. R.: 76° 7' 32" W.

Course made good since preceding noon: N 70° W.

Distance made good since preceding noon: 46.5 miles.

Distance by Log since preceding noon: 37.8 miles.

Current per hour: 0 miles, set N 61° W. true.

Position at 8 P. M. { Latitude by DR: 21° 42' 27" N.
Longitude by obs: 76° 46' " W.

Variation of compass: 1° 30' Ely

Error of compass observed at W 6 P.M.: 1° 45' W.

Deviation of compass on N 74° W: 3° 15' W.

Water expended during the preceding 24 hours, 550 gallons.

Water Distilling during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 2215 lbs.

Coal remaining on hand at noon, 122 " 1813 "

P. M.																		
	0	5		S 84° W														
1	0	9		N 74° W	ESE.	2	—	—	30.11	80	83	79	77	h.c.m.	None	—	0	8
2	2	0		"	"	3	—	—	30.09	80	83	78	77	"	"	—	0	"
3	2	1		"	ESE.	4	—	—	30.07	80	81	78	77	"	"	—	0	"
4	2	0		"	"	4	—	—	30.06	80	80	77	77	h.c.	S	East	7	8
5	2	0		"	Ely S	4	—	—	30.04	80	79	77	77	h.c.m.	S	"	5	"
6	1	8		"	"	4	—	—	30.04	79	79	77	77	"	"	"	6	"
7	2	0		"	"	4	—	—	30.07	79	79	77	77	"	S Ca	"	8	"
8	2	0	52.3	"	"	4	—	—	30.10	80	78	77	77	"	"	"	6	"
9	1	9	54.2	N 13° W	SE by E	4	—	—	30.13	80	78	77	77	h.c.m.	Ca	"	3	"
10	1	6	55.9	N 42° W	ESE.	3	—	—	30.14	80	78	77	77	"	"	"	4	"
11	1	1	57.3	"	Ely S	3	—	—	30.14	80	78	77	77	"	"	"	3	"
Mid.	1	3	58.9	"	Calms	0	—	—	30.14	80	78	77	77	"	"	"	2	"

under the command of Commander R. D. Davenport, U. S. Navy,

Wednesday May 7, 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended at 8 PM: Cloudy. Bright moonlight. Navy dues. Moderate breeze from S by E to light Southerly breeze. Barometer falling slightly. Sea smooth, and ship steady. At 2 started fires in boilers A B & D. On course N 78 W [P.S.C.] Under jib, flying jet and after yard sail had manned.

William Lieut U.S.N.

4 to 8 PM: Fair, hazy and pleasant weather with a heavy dew and a bright moon first part. Light airs from S.E. falling calm; then light airs from S by W. Barometer steady. Smooth sea. Steam formed on A B and D boilers at 4.45 and fires were banked in A and B at 5.00. At 6.00 hauled up the foresail, and at 7.05 set the foresail and hauled down the head sails. At end of watch under all plain sail but the head sails, mainsail and spanker, with the hind yards square and the after yard sharp up by the starboard braces trying to get the ship on her course of N 78 W by standard compass. Steaming as requested, ship under way in sight bearing W.N.W.

George N. Hayward Lieut U.S.N.

8 PM to Meridian: Warm and pleasant. Light airs to light breeze from S.S.E. to S.E., ship under hardy sail, steerage way at first; on course at 9.15 of 5.00 P.M. Under sail and jet at end of watch, under jet and foremast staysail, topsails and spanker. Fires banked under boilers A & B, distilling with D. Went to quarters at 9.00. Had usual morning routine drills. Punishments and rewards by Commanding Officer as follows: J. Mendini and P. A. Spatz, smoking, 2 hours extra duty. E. P. Maguire, absent from muster on mid watch, 2 hours extra duty. All above offenders being apprentices 3d Class. At end of watch schooner in sight bearing N. Capy N.

E. H. Brock Lieut U.S.N.

Meridian to 4 AM:

Pleasant and very hazy weather. Light to gentle E. & E.S.E. breeze first hour backing S.E. & S. remainder and increasing in force to moderate. Barometer falling. Fires banked under A & B boilers, boiler D in use for distilling. At 1.15 went to quarters and turned up scrubbed, hammocks. Held routine 3rd period drills. 5th division had practice with gallery rifles, 9.00 to 11.00. Last sight of schooner at 2.20 bearing S.E. Took in spanker at 12.30. At 3.33 changed course from S 80 W to S 78 W [P.S.C.]. At 3.00 reduced speed main to 9 revs, and at 3.30 did same with fore. At 3.50 closed up main and fore to topsails, hauled down jet and foretopmast staysail, and set flying jet. At end of watch under flying jet on course S 78 W [P.S.C.]

Ralph Earle, Ensign U.S.N.

4 to 8 AM: Partly cloudy, hazy weather. Moderate breeze from S by E. Smooth sea. Barometer steady. Under flying jet. Course S 78 W. At 4.30 mustered at quarters. Called all hands for sail exercise, and made sail to royals, then took in and furled light sails and took two reefs in topsails. Turned out reefs and stood in all sail except flying jet. Banked fires in boilers A & B. Steam in boiler D for distilling.

M. H. Brown, Lieut U.S.N.

8 to 8 PM: Cloudy to westward. Hazy. Moderate breeze from S by E. Barometer rose. On course S 78 W [P.S.C.] under flying jet. Distilling with boiler D in use. Steam in boilers A & B. At 7.35 sighted Montauk Lt bearing N 87 W [P.S.C.]

W. E. Brown Lieut U.S.N.

8 PM to Midnight: Fair weather with a heavy haze all around the horizon and a heavy dew. Moon rose at 11.00. Moderate breeze from S by E backing to E by N and falling to gentle breeze. Barometer steady. At 11.00 set the port clew of the foresail and at 11.30 the starboard clew. At 9.17 changed course to N 82 W and at 8.30 to W 32 N by standard compass. At end of watch ship under flying jet and the foresail, wind on the quarter, steering course N 32 W by standard compass. At end of watch Montauk Light Fine S 72 W by standard compass, ship's head N 32 W. Distilling with steam from D boiler. Fires banked under A & B boilers.

George N. Hayward Lieut U.S.N.

Examined and found to be correct.

P. F. Larkin
Lieut U.S.N. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan PR to Havana Cuba.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	1	1	30.4	N 520 W.	E.S.E.	2	—	—	30.11	80	78	77	77	Lum	Cu	East	9	S
2	1	5	86.2	"	"	3	—	—	30.09	80	77	76	77	"	"	"	7	"
3	1	2	86.8	"	"	2	—	—	30.09	80	77	76	77	"	"	"	5	"
4	1	0	86.8	"	SE.	1	—	—	30.09	80	77	76	77	"	"	"	8	"
5	1	1	86.9	"	"	0-1	—	—	30.10	80	77	76	78	"	"	"	8	"
6	0	5	86.9	"	"	0-1	—	—	30.10	80	77	76	78	"	"	"	8	"
7	1	1	—	N 220 W	Why S	1-0	—	—	30.11	80	77	76	78	"	"	"	5	"
8	0	6	—	North	Why S	0-1	—	—	30.11	80	77	76	78	"	Cu	"	5	"
9	0	2	—	N 420 E	"	0-1	—	—	30.12	80	78	77	78	"	"	"	4	"
10	3	8	60.7	N 82° W	"	0-1	—	—	30.12	80	80	78	78	"	"	"	3	"
11	7	2	67.9	"	Calm	0	—	—	30.12	80	85	82	78	Lum	—	—	0	"
Noon.	7	3	78.2	"	N.E.	1	—	—	30.12	81	86	84	79	"	—	—	0	"

Position at 8 A. M.
- Latitude by D.R. 21° 51' 21" N — Ship Tempt.
- Longitude by obs. 77° 4' " W — Pole Alt. 86-84 8280

Position at noon:
- Latitude by observation 22° 6' 54" N
- Longitude by observation 77° 20' 22" W
- Latitude by D. R. 22° 2' 3" N
- Longitude by D. R. 77° 11' 07" W

Course made good since preceding noon: N 60° W

Distance made good since preceding noon: 56. miles.

Distance by Log since preceding noon: 46.3 miles.

Current per hour: 4 miles, set N 58° W. true.

Position at 8 P. M.
- Latitude by bearings 22° 36' 40" N.
- Longitude by " 78° 48' 12" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 4 tons, 970 lbs.

Coal remaining on hand at noon, 118 " 843 "

P. M.																		
1	7	4	87.6	West	East	4	P.S.	—	30.08	82	86	84	81	h.c.m.	Ci	—	2	S
2	3	3	89.9	N 7° W	"	4	2°		30.06	82	85	82	80	"	"	East	8	"
3	8	6	98.5	"	"	4	5°		30.04	82	84	80	79	"	Cu Cu	"	8	"
4	9	0	107.5	"	"	4	6°		30.03	82	82	78	78	"	Cu Cu	"	6	"
5	9	0	116.5	"	Variable	4	6°		30.02	78	78	73	78	h.c.p.i	Cu	"	9	"
6	1	0	117.5	N 70° W	"	4			30.00	79	75	74	78	h	"	"	9	"
7	8	1	82.0	"	E.S.E.	3			30.10	79	75	74	78	h.c.t.l.p.h	N	"	9	"
8	4	2	86.2	"	South	4			30.13	80	76	75	78	"	"	"	6	"
9	8	1	115.0	"	S.E.	4			30.14	81	76	75	78	h.c.m.t.t	Cu Cu	"	7	"
10	2	4	86.2	"	"	4			30.15	81	76	76	78	"	"	—	7	"
11	1	4	66.1	"	"	1			30.16	80	76	75	78	"	"	—	1	"
Mid.	1	9	—	"	S.S.E.	0-2			30.14	79	76	75	78	"	"	—	1	"

under the command of Commander R. G. Davenport, U. S. Navy,

Thursday May 9, 190/.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 AM: Fair and warm Hazy. Bright moonlight. Heavy dew. Gentle to light breze from E.S.E. falling to light airs from E. at 4. Ship on course N.W. under flying jib and foresail. At 3.20 light of Morritos del Principe was on port beam bearing S.38° W. (p.c.) distant 10.0 miles. Hove hooked in boilers A. & B. distilling with 2 at 3.30 and fore topsail.

E. L. Beach Lieut U.S.N.

4 to 8 AM: Hazy and warm. Calms and light variable airs. Fires hooked in A and B boilers distilling with 2. At 4.00 set main topmast and the topgallant sail and royals. Hauled down flying jib at 5.00 and set jib at 6.00. By order of the Captain released off Downing Eds from confinement. Hauled in patent log at 7.30 reading 51.9. Set chronometer at 8.00 mustered and sent 4 apprentices of watch over masthead. Norwegian steamer "Bange" passed at 8.45 bound East and out of sight to East at 9.30. Last night of Morritos light bore daylight bearing S.20° W. At end of watch under all plain sail save flying jib and mainsail with no steerage way, heading full and by port tack about N.N.W. (p.c.)

Ralph Earle, Ensign U.S.N.

8 AM to Meridian: Hazy and very sultry. Calm to light variable airs. Barometer steady. Ship steady. Under all sail but flying jib, main topmast staysail and mainsail heading North and N.1/2 E. (p.c.) until 9.45 when called all hands and furled sail. Went ahead full speed, revolutions with steam on boilers A. & B. 52 on course N.32° W. (p.c.) During 1st period had general quarters, divisions reported as follows: 8th 1K mins, 4th 3/4 4th, 2 mins; 1st 3/4 mins, 3rd 3/4 mins; 5th 1 1/2, 2nd 3 mins. At 9.53 1/2 A.M. secure sounded all divisions reporting secured in 4 minutes. During 2nd drill period had routine drills. At noon changed course to West (p.c.) As steam 47 Aog revs 61. Stopped distilling at 9.20 Hove boiler D. for distilling.

W. L. Brown Lieut U.S.N.

Meridian to 4 PM: Very hazy weather, hermat first, pleasant at end. Moderate breze from east smooth sea. Barometer falling. At 1.00 had third period routine drills. At 1.40 set all fore and aft sail and the topsails and at 2.10 set the royals and topgallant sails and hauled up the main topsail. Ship standing through Old Bahama Channel with Isles Cay Light bearing N.83° E. at end of watch, ships head N.W. by W. by Standard compass. At 4.00 changed course to N.W. by N. by standard compass patent log reading 61.6. At end of watch ship under all plain sail to royals except the courses and the main topsail and under the main topmast staysail. Steaming with boilers A. B. and D. steering course N.W. by N. by standard compass. At 4.00 found division had gallery rifle practice finished overhauling the main battery record cylinders and filling them and began on those of the secondary battery. At 4.30 Isles Cay bore S.W. by S. by standard compass, abeam, distant 7 miles. Ship as per

George N. Hayward Lieut U.S.N.

4 to 6 PM: Generally cloudy. Frequent heavy showers with some thunder and lightning. Wind very variable in direction, moderate in force, sail carried varying, at end of watch under foretopmast staysail and square sail to royals except courses, steaming with boilers A. B. and D. Watch quarters at 4.00. Took in part and made it taut. Steering N.W. by N. until 5.40 when changed course to N.70° W. but log 21.5. Last night of Isles Cay light bore nearly bearing East. At 5.45 Paradon Grande N.W. by W. Aog steam 47 As revs 61.

E. L. Beach Lieut U.S.N.

6 to 8 PM: Hazy and cloudy weather with lightning and thunder, squalls around horizon. Gentle to moderate S.S.E. by breze. At 7.30 Paradon Grande light was abeam to port distant 5 miles and at end of watch bore N.E. At 7.00 log 48.2 changed course to N.W. (p.c.) By order of the Captain, flying jib was set on right wore for the night. Under foretopmast staysail and square sail to royals except courses and steaming with boilers A. B. and D. on course N.72° W. (p.c.) log 52 Lat end of watch as steam 47 revs 61.

Ralph Earle, Ensign U.S.N.

8 PM to Midnight: Generally cloudy. Light airs around horizon. Steaming at end of watch. Moderate S.S.E. by breze failing. Last hour. Barometer rising. At 8 commenced distilling, and stopped steaming. Course N.72° W. (p.c.) under foretopmast staysail and royals, all square sail but courses and steaming with three boilers until 10 PM at 9.10 took in royals and topgallant sails and changed course to N.65° W. (p.c.) reading 58.6. Last night of Paradon Grande N.E. at 9.55, p.c. 54.8. Moon rose at 11.15. Boiler D. on line for distilling, fires dying out of boilers A. and fires light hooked in boiler B.

W. L. Brown Lieut U.S.N.

Additional for Meridian to 12 PM:

At 9.30 sighted Bay Verde bearing S.W. by W. ships head N.W. At 9.45 sighted Bay Verde bearing S.S.W. ships head N.W. by W. and at 11.00 sighted Bay Verde bearing S.W. by W. ships head N.W. All bearings (illegible)

George N. Hayward Lieut U.S.N.

Examined and found to be correct

J. T. Harper

Lieut U.S.N. Navigator.

4—205

LOG of the UNITED STATES Steaming Steps Essex 2nd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	2	4	—	N 63° W	South	4	3°-5°		30.09	80	78	77	78	b.c.m.m.	Cu Cu Cu	S.E.	6	S
2	2	3	56.1	"	S by W	4	3° . 5°		30.05	80	78	77	78	"	"	"	7	"
3	2	3	58.4	"	South	4	3° . 5°		30.06	80	78	77	78	"	"	S.E.	7	"
4	2	4	60.8	"	S by E.	4	3° . 5°		30.06	80	78	77	78	"	"	S.E.	7	"
5	3	1	63.2	"	"	4			30.06	80	78	76	78	"	"	"	7	"
6	2	3	65.6	"	"	4			30.08	80	78	76	78	"	"	"	6	"
7	1	6	67.2	"	"	4			30.10	80	78	76	78	"	"	"	6	"
8	1	7	67.4	"	"	4			30.12	80	78	76	78	"	"	"	5	"
9	1	8	69.1	"	"	4			30.15	79	79	77	78	b.c.m.	"	—	6	"
10	1	6	69.7	"	"	3			30.16	79	80	78	78	"	"	—	6	"
11	1	0	69.9	"	"	2			30.16	80	80	79	78	"	"	—	7	"
Noon.	0	7	70.0	"	"	0-1			30.14	81	82	80	78	"	"	—	7	"

Position at 8 A. M. { Latitude by DR: 22° 50' 40" N — Mag Sight: 22° 51' 30" N
Longitude by ob: 78° 46' 15" W — Sight aft: 82-81

Position at noon: { Latitude by observation: 22° 58' 26" N — 23-80 — 82-81
Longitude by observation: 78° 51' 55" W
Latitude by D. R.: 22° 52' 52" N
Longitude by D. R.: 78° 53' 42" W

Course made good since preceding noon: N 59° W.

Distance made good since preceding noon: 99. miles.

Distance by Log since preceding noon: 106.4 miles.

Current per hour: 25 miles, set N 170° E. true.

Position at 8 P. M. { Latitude by DR: 22° 59' 07" N
Longitude by ob: 79° 05' 49" W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1850 "

Coal consumed during the preceding 24 hours, 5 tons, 1955 lbs.

Coal remaining on hand at noon, 112 " 1128 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	1	0	70.1	N 73° W.	N E.	1	—	-	30.11	81	83	80	78	b.c.	Cu Cu Cu	N E	5	S
2	2	7	72.2	"	N E by N	3	—	-	30.09	81	80	75	78	o.c.q.	Cu Cu	"	10	"
3	2	8	75.0	"	"	4	—	-	30.07	80	80	78	78	o.c.b.t.	"	W.	10	"
4	2	5	77.5	W by W	N. W.	4-5	—	-	30.11	80	80	78	78	o.c.q.b.t.	Cu Cu	"	10	"
5	1	0	—	W by S	North	1-2	—	-	30.14	80	78	78	78	o.c.s.t.b.	"	"	10	"
6	1	0	—	West	Variable	0-1	—	-	30.16	80	78	78	78	b.c.t.b.	Cu Cu	—	5	"
7	0	9	—	W by S	N E.	1-2	—	-	30.16	79	76	76	78	b.c.l.	"	East	7	"
8	1	1	—	N 73° W	East	1	—	-	30.15	79	75	75	78	"	"	"	9	"
9	1	2	—	"	S by W	1	—	-	30.20	80	76	75	78	b.c.m.	"	"	9	"
10	0	8	—	"	"	1	—	-	30.20	80	76	75	78	b.c.m.l.	"	"	9	"
11	1	4	—	"	"	2	—	-	30.20	81	77	76	78	"	"	"	8	"
Mid.	1	3	—	"	"	2	—	-	30.20	81	77	76	78	"	"	"	9	"

under the command of Commander C. D. Davenport, U. S. Navy,

Friday May 10, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM:- Cloudy, foggy weather with a heavy dew and an occasional moderate breeze from South hauling to Sby E. and backing to Sby E. Promotes following smooth sea. Ship under the fore topmast staysail, whole topsails during course N 60° W by standard compass. Distilling with D boiler. Fires [illegible] Ended AM 3:00 put on port patent log reading 61

George N. Hayward, Lieut U. S. N.

4 to 8 AM:- Fair and pleasant. Moderate breeze from Sby E. Ship under topsails and fore topmast staysail W 3:00 took in main fore topsail, staysail and set flying jib. On course N 60° W. Fires banked in boiler B. Distilling with D. Inter[illegible] on port head at daybreak. At 7:30 set jib, fore topmast staysail and spanker. C. H. Beach Lieut U. S. N.

8 AM to Meridian:- Foggy and warm. Moderate breeze first hour from Sby E. decreasing in force to calms and light airs last hour. At 9:30 went to quarters and held sitting up exercises. At 10 went to free quarters, dinner ready as follows:- 1st, 5 min; 2d, 5 min; 3d, 5 min; 4th, 5 min; 5th, 5 min; 6th, 5 min; 7th, 5 min; 8th, 5 min; 9th, 5 min; 10th, 5 min; 11th, 5 min; 12th, 5 min; 13th, 5 min; 14th, 5 min; 15th, 5 min; 16th, 5 min; 17th, 5 min; 18th, 5 min; 19th, 5 min; 20th, 5 min; 21st, 5 min; 22d, 5 min; 23d, 5 min; 24th, 5 min; 25th, 5 min; 26th, 5 min; 27th, 5 min; 28th, 5 min; 29th, 5 min; 30th, 5 min; 31st, 5 min; 32d, 5 min; 33d, 5 min; 34th, 5 min; 35th, 5 min; 36th, 5 min; 37th, 5 min; 38th, 5 min; 39th, 5 min; 40th, 5 min; 41st, 5 min; 42d, 5 min; 43d, 5 min; 44th, 5 min; 45th, 5 min; 46th, 5 min; 47th, 5 min; 48th, 5 min; 49th, 5 min; 50th, 5 min; 51st, 5 min; 52d, 5 min; 53d, 5 min; 54th, 5 min; 55th, 5 min; 56th, 5 min; 57th, 5 min; 58th, 5 min; 59th, 5 min; 60th, 5 min; 61st, 5 min; 62d, 5 min; 63d, 5 min; 64th, 5 min; 65th, 5 min; 66th, 5 min; 67th, 5 min; 68th, 5 min; 69th, 5 min; 70th, 5 min; 71st, 5 min; 72d, 5 min; 73d, 5 min; 74th, 5 min; 75th, 5 min; 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1228th, 5 min; 1229th, 5 min; 1230th, 5 min; 1231st, 5 min; 1232d, 5 min; 1233d, 5 min; 1234th, 5 min; 1235th, 5 min; 1236th, 5 min; 1237th, 5 min; 1238th, 5 min; 1239th, 5 min; 1240th, 5 min; 1241st, 5 min; 1242d, 5 min; 1243d, 5 min; 1244th, 5 min; 1245th, 5 min; 1246th, 5 min; 1247th, 5 min; 1248th, 5 min; 1249th, 5 min; 1250th, 5 min; 1251st, 5 min; 1252d, 5 min; 1253d, 5 min; 1254th, 5 min; 1255th, 5 min; 1256th, 5 min; 1257th, 5 min; 1258th, 5 min; 1259th, 5 min; 1260th, 5 min; 1261st, 5 min; 1262d, 5 min; 1263d, 5 min; 1264th, 5 min; 1265th, 5 min; 1266th, 5 min; 1267th, 5 min; 1268th, 5 min; 1269th, 5 min; 1270th, 5 min; 1271st, 5 min; 1272d, 5 min; 1273d, 5 min; 1274th, 5 min; 1275th, 5 min; 1276th, 5 min; 1277th, 5 min; 1278th, 5 min; 1279th, 5 min; 1280th, 5 min; 1281st, 5 min; 1282d, 5 min; 1283d, 5 min; 1284th, 5 min; 1285th, 5 min; 1286th, 5 min; 1287th, 5 min; 1288th, 5 min; 1289th, 5 min; 1290th, 5 min; 1291st, 5 min; 1292d, 5 min; 1293d, 5 min; 1294th, 5 min; 1295th, 5 min; 1296th, 5 min; 1297th, 5 min; 1298th, 5 min; 1299th, 5 min; 1300th, 5 min; 1301st, 5 min; 1302d, 5 min; 1303d, 5 min; 1304th, 5 min; 1305th, 5 min; 1306th, 5 min; 1307th, 5 min; 1308th, 5 min; 1309th, 5 min; 1310th, 5 min; 1311th, 5 min; 1312th, 5 min; 1313th, 5 min; 1314th, 5 min; 1315th, 5 min; 1316th, 5 min; 1317th, 5 min; 1318th, 5 min; 1319th, 5 min; 1320th, 5 min; 1321st, 5 min; 1322d, 5 min; 1323d, 5 min; 1324th, 5 min; 1325th, 5 min; 1326th, 5 min; 1327th, 5 min; 1328th, 5 min; 1329th, 5 min; 1330th, 5 min; 1331st, 5 min; 1332d, 5 min; 1333d, 5 min; 1334th, 5 min; 1335th, 5 min; 1336th, 5 min; 1337th, 5 min; 1338th, 5 min; 1339th, 5 min; 1340th, 5 min; 1341st, 5 min; 1342d, 5 min; 1343d, 5 min; 1344th, 5 min; 1345th, 5 min; 1346th, 5 min; 1347th, 5 min; 1348th, 5 min; 1349th, 5 min; 1350th, 5 min; 1351st, 5 min; 1352d, 5 min; 1353d, 5 min; 1354th, 5 min; 1355th, 5 min; 1356th, 5 min; 1357th, 5 min; 1358th, 5 min; 1359th, 5 min; 1360th, 5 min; 1361st, 5 min; 1362d, 5 min; 1363d, 5 min; 1364th, 5 min; 1365th, 5 min; 1366th, 5 min; 1367th, 5 min; 1368th, 5 min; 1369th, 5 min; 1370th, 5 min; 1371st, 5 min; 1372d, 5 min; 1373d, 5 min; 1374th, 5 min; 1375th, 5 min; 1376th, 5 min; 1377th, 5 min; 1378th, 5 min; 1379th, 5 min; 1380th, 5 min; 1381st, 5 min; 1382d, 5 min; 1383d, 5 min; 1384th, 5 min; 1385th, 5 min; 1386th, 5 min; 1387th, 5 min; 1388th, 5 min; 1389th, 5 min; 1390th, 5 min; 1391st, 5 min; 1392d, 5 min; 1393d, 5 min; 1394th, 5 min; 1395th, 5 min; 1396th, 5 min; 1397th, 5 min; 1398th, 5 min; 1399th, 5 min; 1400th, 5 min; 1401st, 5 min; 1402d, 5 min; 1403d, 5 min; 1404th, 5 min; 1405th, 5 min; 1406th, 5 min; 1407th, 5 min; 1408th, 5 min; 1409th, 5 min; 1410th, 5 min; 1411th, 5 min; 1412th, 5 min; 1413th, 5 min; 1414th, 5 min; 1415th, 5 min; 1416th, 5 min; 1417th, 5 min; 1418th, 5 min; 1419th, 5 min; 1420th, 5 min; 1421st, 5 min; 1422d, 5 min; 1423d, 5 min; 1424th, 5 min; 1425th, 5 min; 1426th, 5 min; 1427th, 5 min; 1428th, 5 min; 1429th, 5 min; 1430th, 5 min; 1431st, 5 min; 1432d, 5 min; 1433d, 5 min; 1434th, 5 min; 1435th, 5 min; 1436th, 5 min; 1437th, 5 min; 1438th, 5 min; 1439th, 5 min; 1440th, 5 min; 1441st, 5 min; 1442d, 5 min; 1443d, 5 min; 1444th, 5 min; 1445th, 5 min; 1446th, 5 min; 1447th, 5 min; 1448th, 5 min; 1449th, 5 min; 1450th, 5 min; 1451st, 5 min; 1452d, 5 min; 1453d, 5 min; 1454th, 5 min; 1455th, 5 min; 1456th, 5 min; 1457th, 5 min; 1458th, 5 min; 1459th, 5 min; 1460th, 5 min; 1461st, 5 min; 1462d, 5 min; 1463d, 5 min; 1464th, 5 min; 1465th, 5 min; 1466th, 5 min; 1467th, 5 min; 1468th, 5 min; 1469th, 5 min; 1470th, 5 min; 1471st, 5 min; 1472d, 5 min; 1473d, 5 min; 1474th, 5 min; 1475th, 5 min; 1476th, 5 min; 1477th, 5 min; 1478th, 5 min; 1479th, 5 min; 1480th, 5 min; 1481st, 5 min; 1482d, 5 min; 1483d, 5 min; 1484th, 5 min; 1485th, 5 min; 1486th, 5 min; 1487th, 5 min; 1488th, 5 min; 1489th, 5 min; 1490th, 5 min; 1491st, 5 min; 1492d, 5 min; 1493d, 5 min; 1494th, 5 min; 1495th, 5 min; 1496th, 5 min; 1497th, 5 min; 1498th, 5 min; 1499th, 5 min; 1500th, 5 min; 1501st, 5 min; 1502d, 5 min; 1503d, 5 min; 1504th, 5 min; 1505th, 5 min; 1506th, 5 min; 1507th, 5 min; 1508th, 5 min; 1509th, 5 min; 1510th, 5 min; 1511th, 5 min; 1512th, 5 min; 1513th, 5 min; 1514th, 5 min; 1515th, 5 min; 1516th, 5 min; 1517th, 5 min; 1518th, 5 min; 1519th, 5 min; 1520th, 5 min; 1521st, 5 min; 1522d, 5 min; 1523d, 5 min; 1524th, 5 min; 1525th, 5 min; 1526th, 5 min; 1527th, 5 min; 1528th, 5 min; 1529th, 5 min; 1530th, 5 min; 1531st, 5 min; 1532d, 5 min; 1533d, 5 min; 1534th, 5 min; 1535th, 5 min; 1536th, 5 min; 1537th, 5 min; 1538th, 5 min; 1539th, 5 min; 1540th, 5 min; 1541st, 5 min; 1542d, 5 min; 1543d, 5 min; 1544th, 5 min; 1545th, 5 min; 1546th, 5 min; 1547th, 5 min; 1548th, 5 min; 1549th, 5 min; 1550th, 5 min; 1551st, 5 min; 1552d, 5 min; 1553d, 5 min; 1554th, 5 min; 1555th, 5 min; 1556th, 5 min; 1557th, 5 min; 1558th, 5 min; 1559th, 5 min; 1560th, 5 min; 1561st, 5 min; 1562d, 5 min; 1563d, 5 min; 1564th, 5 min; 1565th, 5 min; 1566th, 5 min; 1567th, 5 min; 1568th, 5 min; 1569th, 5 min; 1570th, 5 min; 1571st, 5 min; 1572d, 5 min; 1573d, 5 min; 1574th, 5 min; 1575th, 5 min; 1576th, 5 min; 1577th, 5 min; 1578th, 5 min; 1579th, 5 min; 1580th, 5 min; 1581st, 5 min; 1582d, 5 min; 1583d, 5 min; 1584th, 5 min; 1585th, 5 min; 1586th, 5 min; 1587th, 5 min; 1588th, 5 min; 1589th, 5 min; 1590th, 5 min; 1591st, 5 min; 1592d, 5 min; 1593d, 5 min; 1594th, 5 min; 1595th, 5 min; 1596th, 5 min; 1597th, 5 min; 1598th, 5 min; 1599th, 5 min; 1600th, 5 min; 1601st, 5 min; 1602d, 5 min; 1603d, 5 min; 1604th, 5 min; 1605th, 5 min; 1606th, 5 min; 1607th, 5 min; 1608th, 5 min; 1609th, 5 min; 1610th, 5 min; 1611th, 5 min; 1612th, 5 min; 1613th, 5 min; 1614th, 5 min; 1615th, 5 min; 1616th, 5 min; 1617th, 5 min; 1618th, 5 min; 1619th, 5 min; 1620th, 5 min; 1621st, 5 min; 1622d, 5 min; 1623d, 5 min; 1624th, 5 min; 1625th, 5 min; 1626th, 5 min; 1627th, 5 min; 1628th, 5 min; 1629th, 5 min; 1630th, 5 min; 1631st, 5 min; 1632d, 5 min; 1633d, 5 min; 1634th, 5 min; 1635th, 5 min; 1636th, 5 min; 1637th, 5 min; 1638th, 5 min; 1639th, 5 min; 1640th, 5 min; 1641st, 5 min; 1642d, 5 min; 1643d, 5 min; 1644th, 5 min; 1645th, 5 min; 1646th, 5 min; 1647th, 5 min; 1648th, 5 min; 1649th, 5 min; 1650th, 5 min; 1651st,

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, Average.	State of the Sea.
A. M.																		
1	1	5		N 75° W	South	2-3	18	—	30. 18	78	74	70	77	cc. f.d.	Cu Cu Cast	W.	10	8
2	2	2	77.5	"	"	3	2	—	30. 17	78	74	74	77	b. c. l.	"	"	9	"
3	1	6	79.3	"	"	3	2	—	30. 17	78	75	75	77	"	Ns Cu	"	7	"
4	2	5	80.8	N 75° W	Shy E.	3	2	—	30. 14	78	76	76	78	b. c. l.	"	"	10	"
5	1	5	81.7	"	"	2			30. 14	78	76	76	78	c. c. l	"	"	10	"
6	2	0	83.0	"	S E.	3			30. 14	78	76	76	78	b. c. th.	"	"	8	"
7	1	8	84.5	"	"	1-3			30. 16	78	76	75	78	o. s. d. t. b.	"	"	10	"
8	0	5	—	N. W.	West	1			30. 19	79	76	75	78	"	"	"	9	"
9	Making way	—		N 11° E	Calm	0			30. 20	80	79	76	79	b. c. m.	Cu Cu Ns	—	7	"
10	"	1	—	North	"	0			30. 21	80	81	77	79	"	"	—	5	"
11	"	"	—	West	"	0			30. 21	80	82	79	79	"	"	—	4	"
Noon.	0	5	—	N 78° W	East	0-1			30. 19	81	83	79	79	"	Cu Cu Ci Cu	—	4	"

Position at 8 A. M.: Latitude by D.R. 23° 3' 43" N. Mary Island Light Bore N. 79° 31' 15" W. Point Afft. 56-55 82-30

Position at noon: Latitude by observation 23° 3' 41" N. Longitude by observation 79° 31' 15" W. Latitude by D. R. 23° 2' 43" N. Longitude by D. R. 79° 34' 31" W.

Course made good since preceding noon: N 83° W.

Distance made good since preceding noon: 36.4 miles.

Distance by Log since preceding noon: 31.3 miles.

Current per hour: .25 miles, set West true.

Position at 8 P. M.: Latitude by 23° 7' 13" N. Longitude by 79° 43' 43" W.

Variation of compass: 3° 10' Ely

Error of compass observed at 5'13 P.M. 2° 17' "

Deviation of compass on N. W. N. 0° 17' "

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 2 tons, 640 lbs.

Coal remaining on hand at noon, 110 " 488 "

P. M.																		
1	0	9	84.5	N 65° W.	E. N. E	2	—	—	30. 16	80	80	78	79	b. c. m.	Cu Cu Ns	Sq. W.	7	8
2	1	3	85.8	"	N. E.	2	2°	—	30. 13	79	79	78	79	"	"	"	8	"
3	1	3	87.0	"	N E by N	2	2°	—	30. 14	80	79	78	79	"	"	"	8	"
4	2	0	88.4	"	N by E-S. N.	2	2°-4	—	30. 14	80	76	75	79	b. c. t. d.	"	S W.	10	"
5	1	0	89.3	N 45° W.	S W by W.	1	—	—	30. 14	80	76	76	79	b. c. s.	Cu Cu Ns	"	9	"
6	1	0	89.3	N 11° W.	"	1	—	—	30. 14	79	77	75	79	b. c.	"	"	8	"
7	0	0	—	Anchored	Calm	0	—	—	30. 14	80	77	75	79	"	"	—	5	"
8	0	5	89.3	Moored	South	1	—	—	30. 14	80	77	76	79	b. c. l.	"	S	9	"
9	1	1	89.4	N 63° W	S. S. E.	2	—	—	30. 19	80	76	75	77	"	"	"	7	"
10	2	5	91.0	"	"	3	—	—	30. 20	80	76	75	79	"	"	"	7	"
11	2	4	93.4	"	"	3	—	—	30. 19	80	76	75	79	b. c. w. l.	"	"	7	"
Mid.	1	6	94.1	"	"	2	—	—	30. 18	80	76	75	79	"	"	"	6	"

under the command of Commander R. S. Davenport, U. S. Navy,

Saturday May 11, 190 1.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 AM: Raining first hour, cloudy remainder, with lightning to Nd and Ed Light to gentle Southerly to SbyE breeze, Moon which rose at 12:15 obscured through clouds at times. Distilling with D boiler, fires banked under B. At 3:00 set topsail. At 4:15 sighted a steamer two points on starboard bow, altered course to N 69° W until 5:50 when steamer passed on port hand bound to S.E. At 5:00 put over patent log reading 77.5. At end of watch under head sails, topsails, and topsail, on course N 75° W. Log 80.8

Ralph Earle, Ensign U.S.N.

4 to 8 AM: Cloudy, overcast, with thunder and lightning to the Sd and Wd Light passing showers last hour. Light airs & gentle breeze from SE to West, Smooth sea. Barometer raining latter part of watch. Under topsails, forecourse, maintopgallant and all head sails. At 7:00 set the gallant sails and royals. At 7:30 set spanker. Course N 75° W. Average course last hour N. 74° W. at end of watch 4 to 8 AM: Sent apprentices over mast heads at 5:00 J.J. Downing Jr. was relieved from confinement by Ch. Engr. Stilling with boiler D. Fires light banked in boiler B.

F.W. Brown, Lieut U.S.N.

8 to Midnight. Clear and sultry. Calm until 11:30 when light Easterly airs sprung up. Ships not under steerage way. Under same sail as previous watch except took in spanker and maintopsail. On course N 75° W per C. last half hour of watch. Barometer steady. Had field day followed by Quarters for bag inspection and correcting clothing lists. A steamer passed ahead at 9:45 bound to the Eastward. Distilling with boiler D in use. Fires banked in boiler B. Enoch Lee released from confinement and made a prisoner at large. At noon A. O'Donovan, apprentice, visited by Hospital Steward for a term of 2 years from this date.

F.W. Brown, Lieut U.S.N.

Midnight to 4 AM:- Cloudy and threatening weather with a spitting rain after 1:45 and a light rain for about 20 minutes last hour. Thundering cloud banks to leeward until 0:30 when we passed over from S.S.E. with a light rain and a moderate squall. At 2:30 there formed to S.W by W a stationary dark remarkable appearance - shaped cloud, dark cumulus clouds which merged into the cloud of the squall and rain squalls. Lightning and thunder to leeward. Upper clouds moving from S.W by W. First part of watch Light breeze from E.S.E. hauling to S.E. at 12:30 and at 3:00 suddenly veering to S.S.W. in a moderate squall, with moderate breeze from S.S.W. attained end of watch. Barometer Normal. At 3:30 took in and furled the royals, the topgallant sails and the flying jib. At 3:50 stopped distilling. At end of watch fires banked in B & D boilers & sail shortening down. At 4:00 set foresail, mainsail and gaff and set all below.

George N. Hayward, Lieut U.S.N.

4 to 8 AM:- Cloudy, light rain first hour. Light airs from S.W by S. to W by S. Ship with 4 cables storage way; course steered N 60° W. Ship heading from N.W.b.W. to W under jib foretopmast staysail, foresail, maintopsail. Set spanker at 5:45. Fires banked in boilers D & B.

E.H. Bench, Lieut U.S.N.

8 to 12 M:- Cloudy with lightning all around horizon. Calms and light Southerly airs. Part of the Captain's confined on bought here for the night J.J. Downing Jr. and J.A. Enoch Lee. Fires banked under B boiler. Distilling with D from 7:00. The Chaplain delivered a lecture to apprentices on duty. No steerage way first hours, heading West (p.s.) under jib foretopmast staysail, foresail and spanker at end of watch.

Ralph Earle, Ensign U.S.N.

8 PM to Midnight:- Partly cloudy, with frequent lightning all around horizon and occasional thunder. Barometer nearly steady. Light to gentle breeze from S.S.E. Smooth sea. Under topsails, fore sail, jib and foretopmast staysail. At 8:00 changed course to N 63° W and put over patent log reading 79.5. At 9:45 stopped distilling and light banked fires in boiler D. Fires light banked in boiler B.

F.W. Brown, Lieut U.S.N.

Examined and found to be correct.

E. F. Logan
Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex 3d. **Rate,**

Making Passage from San Juan P. R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	0	7	94.2	N 63° W	S.S.E.	0-1	—	—	30. 16	80	76	75	78	h.c.s.l.t.	Cu	SE	2	S.
2	—	—	—	as Stage May	Calm	0	—	—	30. 13	80	75	74	78	"	S. Cu	"	3	"
3	—	—	—	"	"	0	—	—	30. 11	80	75	74	78	"	"	"	6	"
4	—	—	—	"	"	0	—	—	30. 10	80	76	75	78	h.c.	"	"	7	"
5	1	5	—	N 63° W	S.E.	2	—	—	30. 10	80	76	75	78	"	"	"	7	"
6	1	6	—	"	S by E	2	—	—	30. 10	80	76	75	78	"	"	"	8	"
7	1	1	—	"	"	1	—	—	30. 11	80	77	76	79	"	"	"	7	"
8	0	5	—	"	E.S.E.	1	—	—	30. 11	80	79	77	79	"	"	"	8	"
9	1	0	—	"	"	1	—	—	30. 12	80	79	77	79	"	A Cu Cu	Ne	7	"
10	1	0	—	"	"	1	—	—	30. 13	80	80	78	79	"	"	"	6	"
11	1	0	—	"	"	1	—	—	30. 13	80	80	78	79	"	"	"	4	"
Noon.	1	0	—	"	"	1	—	—	30. 13	80	80	78	79	"	"	"	6	"

Position at 8 A. M.: Latitude by DR 23° 12' 43" N. Flag Steeple.
Longitude by " 79° 55' 30" W. Gnd. Uft. 82-80

Position at noon:
Latitude by observation 23° 8' 21" N 85-84
Longitude by observation 79° 59' 26" W
Latitude by D. R. 23° 14' 35" N
Longitude by D. R. 79° 55' 12" W

Course made good since preceding noon: N 61° W

Distance made good since preceding noon: 29.5 miles.

Distance by Log since preceding noon: 25.0 miles.

Current per hour: .23 miles, set N 45° W. true.

Position at 8 P. M.: Latitude by bearings 23° 24' 30" N
Longitude by " 80° 42' 18" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water Distilled during the preceding 24 hours, 550 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 1085 lbs.

Coal remaining on hand at noon, 108 " 1648 "

P. M.																		
1	0	5		N 45° W.											A Cu Cu			
	1	2		N 80° W.	Ely E	1-2	—	—	30. 15	81	80	80	80	h.c.s.m.	Cu Cu	East	4	S.
2	2	0	34.3															
			96.3	"	"	2	—	—	30. 14	81	85	80	80	"	"	"	3	"
3	5	1	01.4	"	East	3	—	—	30. 12	80	83	79	80	"	A Cu Cu	"	4	"
4	5	4	6.8	"	"	3	—	—	30. 10	80	82	77	79	"	Cu	"	6	"
5	5	7	12.5	"	S.E.	3	—	—	30. 08	80	79	77	79	"	S Cu	West	9	"
6	6	0	18.5	"	E.S.E.	3	—	—	30. 11	80	79	77	79	"	"	"	8	"
7	5	7	24.2	N 87° W	S.E.	3	—	—	30. 14	80	79	76	79	h.c.l.s.	A Cu Cu	S.E.	8	"
8	5	4	29.6	"	South	2	—	—	30. 14	81	78	75	79	"	"	"	8	"
9	5	4	35.0	"	Calm	0	—	—	30. 15	81	78	76	79	h.c.l.	A Cu Cu	—	3	"
10	5	8	40.8	"	"	0	—	—	30. 16	81	77	76	79	"	"	—	2	"
11	5	7	46.5	"	"	0	—	—	30. 16	81	77	76	79	"	"	—	2	"
Mid.	5	8	52.3	N 87° W	N.W.	1	—	—	30. 16	81	76	76	79	"	S Cu	—	1	"
	6	4	58.2															
	2	4	32.6	"	West.	1	—	—	30. 16	81	76	76	79	"	"	—	1	"

4—246

under the command of Commander R. S. Davenport, U. S. Navy,

Sunday May 13 ,190/ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with Clr. Wr. Cloudy. Wr. rose at 12:30. Light airs from S.E. first hour, followed by calms. Ship not under steerage way. Under topsails, foresail, jib and spanker. Lieut. H. B. Bonsall. Steerage way. Under topsails, foresail, jib and spanker. Lieut. H. B. Bonsall. Sighted Cape Maysi bearing N.W. by W. Pipes hauled up boilers A & D. Lieut. H. B. Bonsall.

4 to 8 AM. Cloudy, weather warm, at the ends Rig running with calms, then light breezes from E. to S.E. hauling to S. by E. falling to light airs and baffling to E.S.E. Barometer steady. Sighted two steamers and two sailing vessels on the port bow and the five steamers on port beam, one standing on a westerly course. At 5:00 sighted land from aloft bearing right on the port beam, ships head W. by Standard compass. At 6:30 began distilling into the tanks. At 6:45 set the fore, main and mizzen royals. At end of watch ship barely under steerage way under all plain sail to royals, saving the flying jib, the mainsail and the spanker. Pipes at quarters. Lieut. H. B. Bonsall and J. J. Downing, Landsmen, are released for the day. George N. Hayward Lieut. U.S.N.

8 AM to Meridian. Warm and pleasant. Light airs from E.S.E. Ship on course N. 60° W. under all plain sail to royals except flying jib and spanker, and mainsail, sails under barely steerage way. At 9:30 went to quarters, and Cond'g Officer inspected ship and crew, late Chaplain officiated at divine service. Pipes hauled up boilers B and D. E. F. Beach Lieut. U.S.N.

Meridian to 4 PM. Warm and warm. Light airs to gentle breezes from E. by S. and East. Barometer falling. Spread fore under boiler B for steaming purposes at 12:30. At 12:23 changed course to N. 80° W. [p.s.c.] At 1:15 called all hands, took in and furled all sail. Stopped distilling at 1:00 and connected boiler D for steaming, went ahead on engines at 1:35. Set new log reading 94.3 at same time a small two masted schooner on bright from S.W. bearing S. by E. on starboard tack standing to N.N.E. At end of watch steaming with no sail set, boilers B & D in use, on course N. 80° W. [p.s.c.] log 65. Avg steam 56. Av revs 50.3. Ralph Earle, Ensign U.S.N.

4 to 6 PM. Cloudy to threatening at end of watch. Moderate breeze from N.E. to E.S.E. Barometer steady. At 4:30 wind to evening quarters. Set all fore and aft sail but main topmast staysail and main topsail. At 4:50 set foresail and hauled down head sails except jib and took in spanker at 5:40. At 4:30 sighted Bahia de Cadiz. Ht. bearing S. 80° W. Sighted a steamer two points on port beam at 5:20. Sighted low land bearing S. 80° W. at 4:40. Av. course N. 80° W. [p.s.c.] under steam on boilers A & D changed course to N. 87° W. [p.s.c.] Av. steam 47.2. Av revs 37.2. At 5:50 pm Bahia de Cadiz light abeam distant 11 miles. P.S. 16.2 W. H. Brown Lieut. U.S.N.

6 to 8 PM. Cloudy, weather threatening rainy, with lightning to southward, and during first hour a spitting rain. Gentle breezes from E.S.E. hauling to S.S.E. and falling to light breeze. Barometer steady. At 7:30 hauled up the foresail. At end of watch steaming with B & D boilers steering N. 87° W. by Standard compass with Bahia de Cadiz Light bearing S. 55° E. by Standard compass. At 7:00 J. J. Downing and J. P. Knoch, Landsmen, were placed in bright irons for the night. At end of watch a steamer in sight inshore about 4 points forward of the beam, steaming northwesterly. George N. Hayward Lieut. U.S.N.

8 PM to Midnight. Warm and pleasant. Calm and light airs from N.W. steaming with B & D boilers along north coast of Cuba. Steering N. 87° W. until 10:30 when changed course to N. 80° W. put log 48.9 and at 11:35 course was changed to S. 85° W. put log 50.2. At 9:45 Cay del Padre light was abeam distant 6 6 miles. Lost sight of Bahia de Cadiz light at 9:3 bearing S. 85° E. Sighted Red Bas light at 10:15 on port bow. Light was on port beam at 11:45 distant about 4 miles. Av. steam 48.4 Av revs 32.6 E. F. Beach Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Making Passage from San Juan P.R. to Havana Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, Scale 10.	State of the Sea.
A. M.																		
1	5	8	58.4	S 85° W.	SW	1			30.12	79	76	76	79	b.m.	0	0	0	8
2	6	0	64.4	"	W by S	1			30.10	79	76	76	79	"	0	0	0	"
3	6	1	70.5	"		0-1			30.09	79	76	76	79	"	0	0	0	"
4	6	5	77.0	"	NW	0-1			30.09	79	76	76	79	"	0	0	0	"
5	5	6	82.6	"	SW	0-1			30.09	79	76	76	79	b.c.	C Cu	—	5	"
6	6	0	88.6	"	Calm	0			30.10	79	77	76	79	"	"	—	5	"
7	6	1	94.7	"	SW	0-1			30.16	78	78	76	79	"	"	—	2	"
8	5	3	101.3	"	"	0-1			30.10	78	79	77	79	"	"	—	2	"
9	2	3	103.3	SW by W	SE	2	—	—	30.14	80	81	78	79	"		8	2	"
10	1	6	6.0	S 60° W	"	2	—	—	30.16	80	82	78	79	"		"	3	"
11	1	2	6.0	S 45° W	"	3	—	—	30.16	80	81	78	79	"		"	4	"
Noon.	3	0	9.0	S 60° W	East	3	—	—	30.15	80	82	80	79	"		"	4	"
														"				

Position at 8 A. M. { Latitude by DR: 23° 15' 30" N. Log Tempt
Longitude by obs: 87° 59' 45" W. Port 4 off

Position at noon: { Latitude by observation: 23° 18' 30" N. 86-85 83-81
Longitude by observation: 82° 5' 30" W.
Latitude by D. R.: ° ' "
Longitude by D. R.: ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: Courtesy 134 miles.

Distance by Log since preceding noon: 187.7 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by: ° ' "
Longitude by: ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Received during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 7 tons, 335 lbs.

Coal remaining on hand at noon, 101 " 1313 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, Scale 10.	State of the Sea.
P. M.																
1	4	7	13.3	S 55° W												
2	1	0	14.6	S 30° W												
3	4	6	21.2	S 20° W												
4				S E	East	4	30.13	80	84	81	79	b.c.	C Cu	E	3	8
5				SE by E	"	4	30.12	80	83	81	79	b.c.l.t.	Cu	E	5	"
6				SE.	NE.	4-5	30.10	78	75	75	79	b.c.	"	NE	6	"
7				SE.	"	3	30.10	78	77	76	—	b.c.m.	"	"	6	"
8				"	NNE.	3	30.08	79	82	80	—	"	C Cu Cb	—	5	—
9				SE by E	"	3	30.09	79	82	80	—	b.c.m.q.	"		6	—
10				"	ENE.	2	30.10	80	81	80	—	"	Cu	—	7	—
11				SE by S	"	2	30.12	80	80	80	—	b.c.	"	—	7	—
Mid.				SE.	"	1	30.14	80	80	80	—	"	"	—	2	—
				"	Calm	0	30.14	82	79	78	—	"	Sc	—	3	—
				"	SE.	1	30.14	81	78	77	—	"	"	SE	3	—
				"	"	1	30.14	81	78	77	—	"	"	"	5	—

under the command of Commander R. S. Davenport, U. S. Navy,

Monday May 13, 190 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 PM:- Clear and fine. Calms and light variable airs. Hove rose at 1.50 First sight of Cay Cudras light at 1.35 bearing S.W.S.E. At ends of watch on course S.W.W. (Fires C) log [illegible] Sundry steaming using Bands 2 boilers. As steam 43 As revs 38.3 to 8 PM.

Ralph Earle, Ensign U.S.N.

Clear and warm, calms and light S.W.S airs. Barometer steady. At 4.35 passed a steamer on port beam. At daylight sighted the Island of Cuba on port beam. Hove to and rounded in sight. On course S.W.W. by standard under steam on boilers 1 3/4 D. At 6.45 mustered and sent apprentices over mast head. W. Smith and J.J. Downing. Landsmen, relieved from confinement at 7 PM. As Steam 38. As revolutions 31.3.

R. L. Wilson Lieut (j.g.) U.S.N.

8 PM to Midnight:- Very warm weather. Light breezes from S.E. increasing to gentle breeze and backing to East. Barometer steady. Had routine duties for 1st and 2nd periods. The Captain rescinded for six months the appointment of P. Bowles gm as Acting Coxswain. The Captain awarded the following punishments:- To A. Vanvoy, Seaman, for inattention to orders and habitual shirking of duties regarding fresh, fourth class one month more, to W.T. Dimet, Apprentice 3 class, for neglect of duty, four hours extra duty. J.A. Lucas, Apprentice 3 class, for swearing on the troop, 2 hours extra duty; to W.S. Miller, Mess attendant, for loud swearing in the ward room, fourth class one month more; to E.W. Gamble, Apprentice 3 class, for shirking Quarter person in the ward 3 nights in double watches. At 8.30 changed course to S.72.W by standard compass, patent log reading 1.33.3. At 9.00 stopped the engines as the forward land stood on under sail about until 11.30. when went ahead full speed on course S.65.W by standard compass. At end of watch changed course to S.53.W by standard compass. Steaming with 1 3/4 D boilers along north coast of Cuba and standing towards entrance to Habana harbor. At 12.00 bearings by standard compass, ships head S.63.W. El Morro Light House S.W.S. Distance run from noon to 12.00 to 11.50. Log steam As revolutions

George N. Hayward Lieut U.S.N.

Meridian to 4 PM:- Fine and warm at first. Heavy rain last hour, then clearing. Moderate breeze from East to E.S.E. Steaming with boilers 1 3/4 D along north coast of Cuba and then to anchorage in Havana harbor. Course at first S.63.W. at 12.15 changed to S.W.W. and then under control of Captain, Ships was brought to her mooring buoy near the wreck of the Maine in Havana Harbor. Ship was made fast to buoy between 2.25 and 2.30. At 3.00 by order of the Com'dg Officer turned in single watches for port. Piping the following court martial prisoners. Downing J.J. and Smith J.A. Landsmen; and also Apprentices 3 class, L. Boyd, C.W. Elliott, W. Sanders, J.E. Miller, after mooring allowed fires on boilers 0 3/4 D to do out whales, grub, [illegible] Log steam 4.5 As revs 31.3

E.T. Beach Lieut U.S.N.

8 P.M. to Midnight:- Unusually cloudy and hot. Lights to sight at 6.45 P.M. Ship to E.S.E. Heavy rain squalls at 9.20 P.M. Hove to and commenced coaling ship from lighters. Ship under 1 3/4 D boilers. At 11.30 mustered all hands and read off [illegible] Received on board from lighters containing 106 00 gallons fresh water. Came along side at 6.00. By order of the Captain piped down. C.A. Jones and E.W. Gamble, appts 3 cl, as double watch for the night. At Midnight:-

Ralph Earle, Ensign U.S.N.

Cloudy and pleasant. Light variable airs to calms. Force out of boilers 1 3/4 D. Barometer steady. The Com'dg Officer returned from an official visit to the Captain of the Port and the Governor General.

W.T. Pike Lieut U.S.N.

Approved:

Richard S. Davenport
Commander U.S. Navy.
Commanding.

Examined and found to be correct.

P. F. Leeper
Lieut U.S.N. Navigator.

4—365